

Voice Data, Video, Telemetry, Continuous Burst,  
Spread Spectrum, OFDM, CDMA, WCDMA, TDMA...

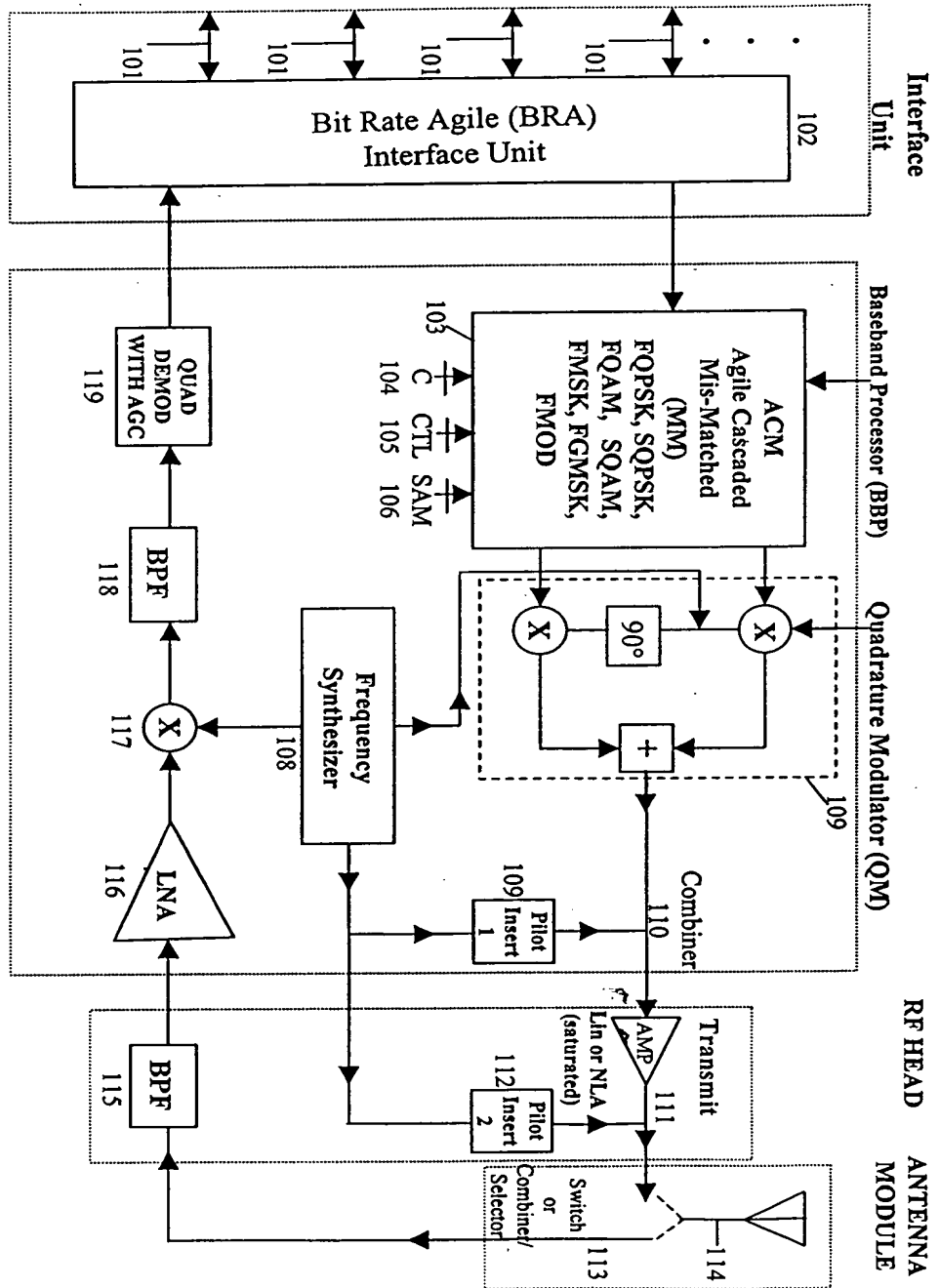


Fig.1a

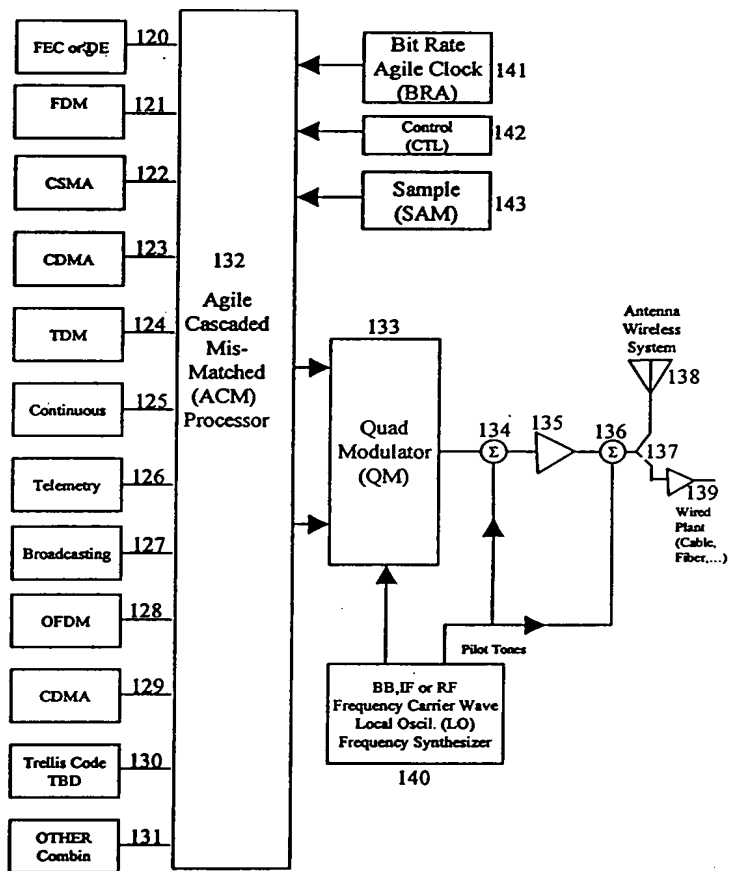


Fig.1b

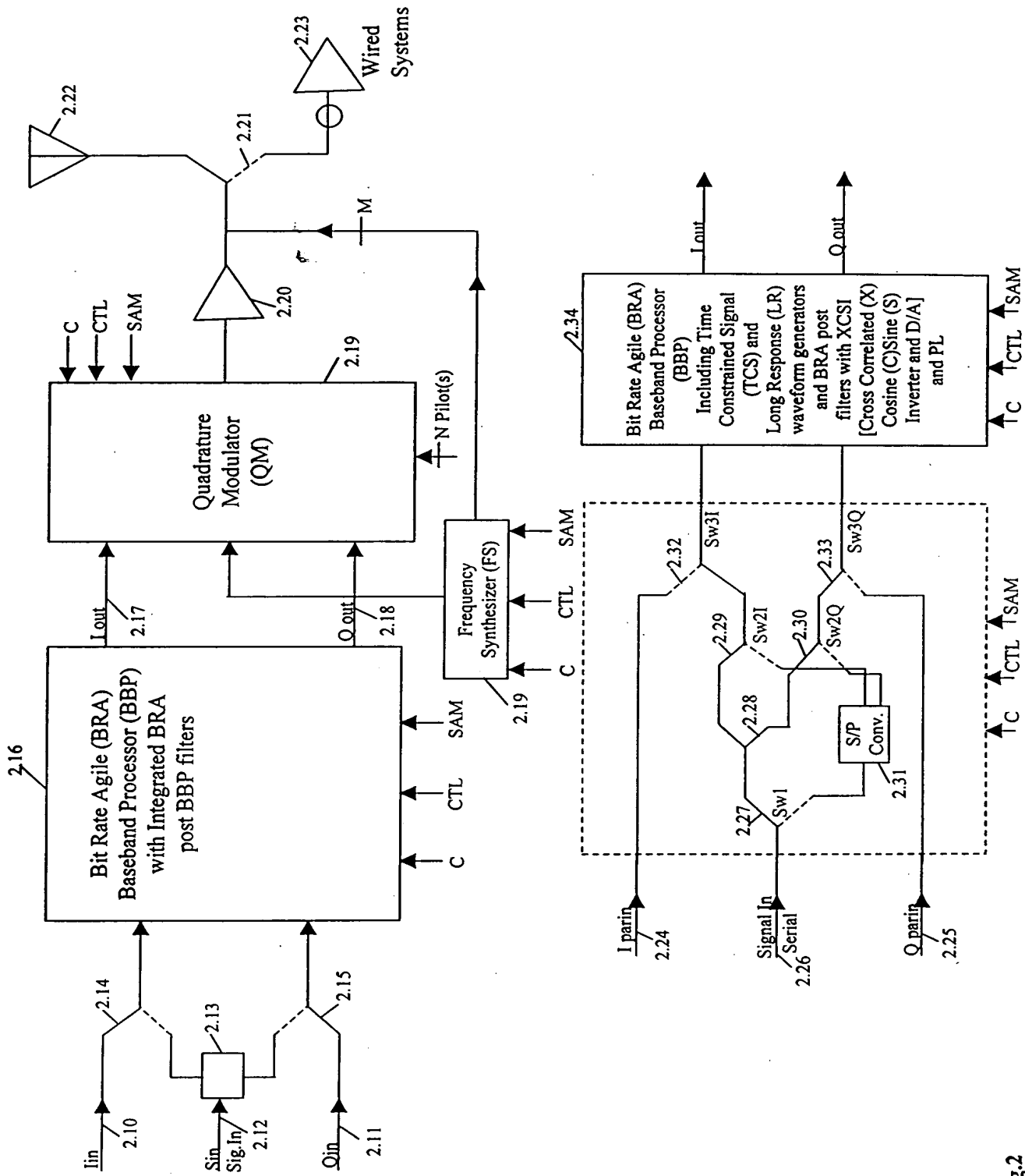


Fig. 2

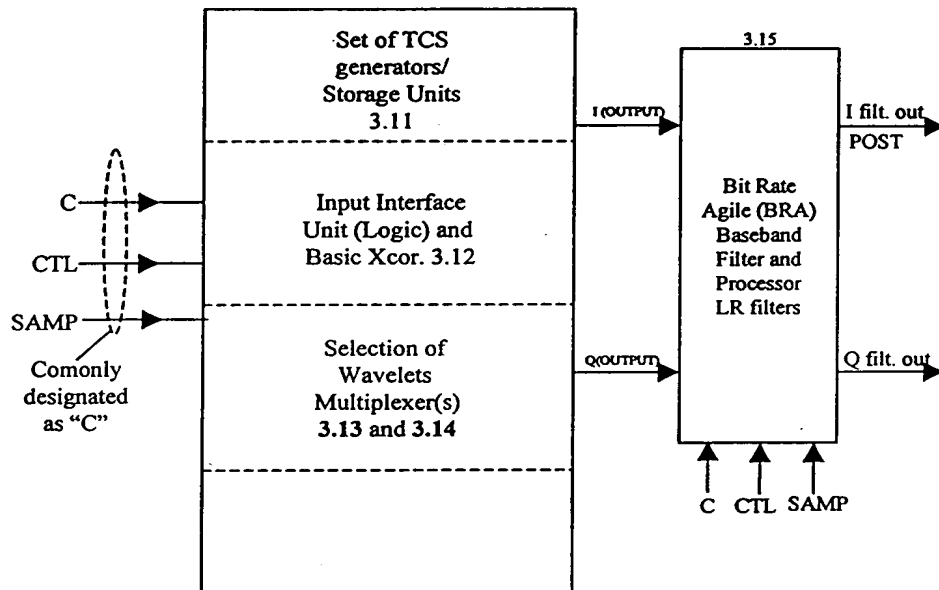


Fig. 3.

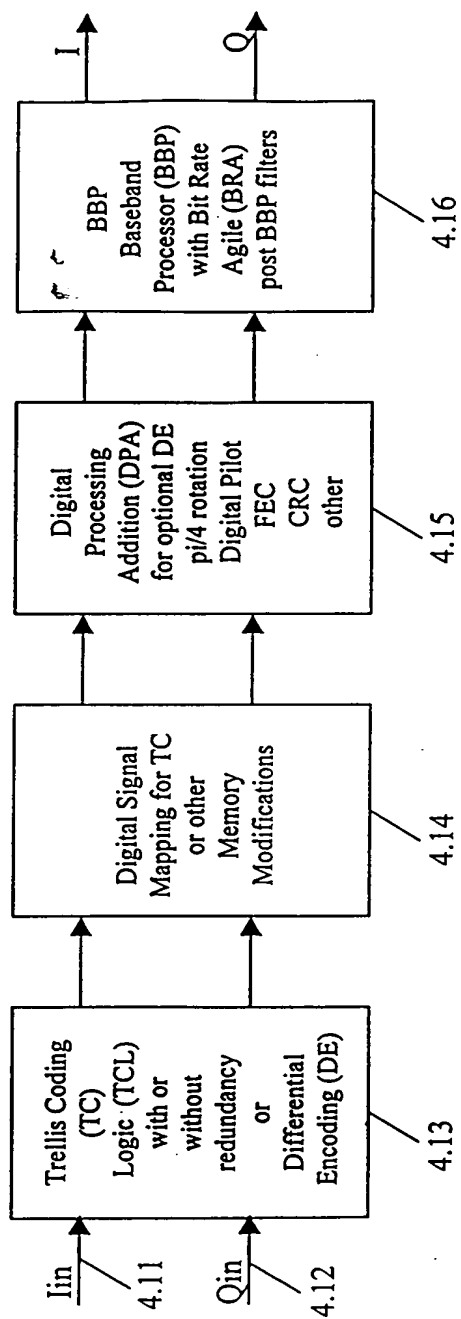


Fig.4

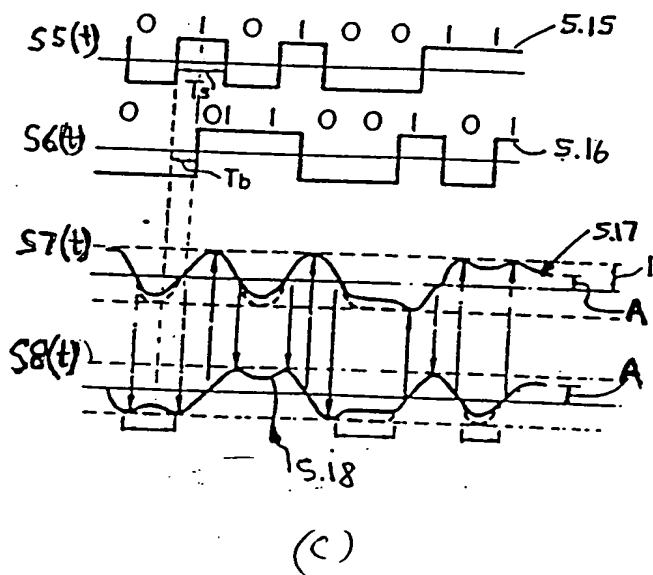
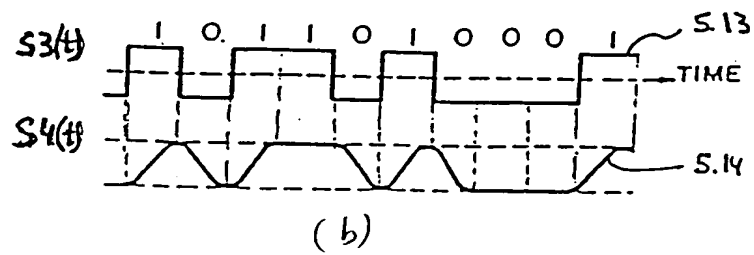
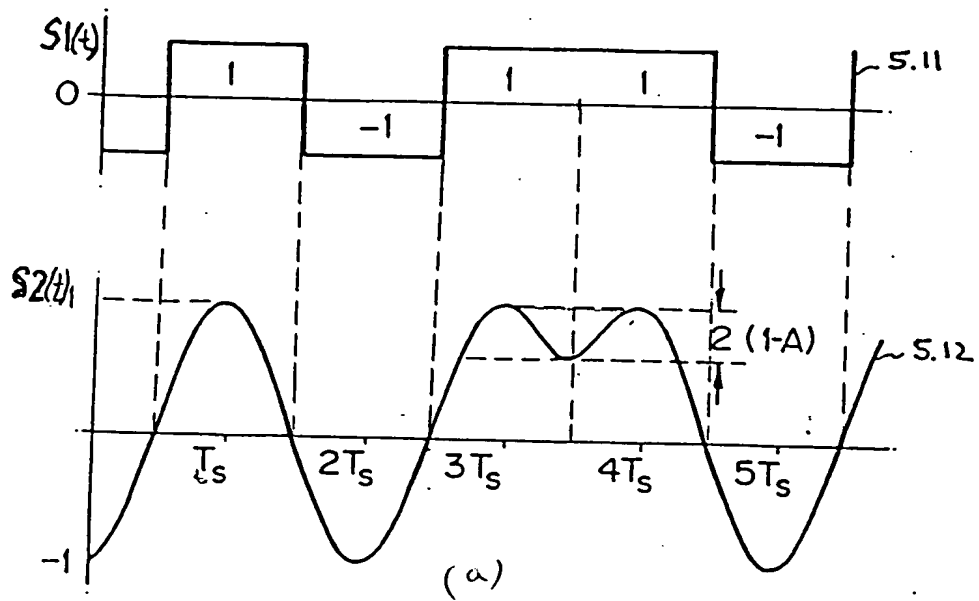


Fig. 5

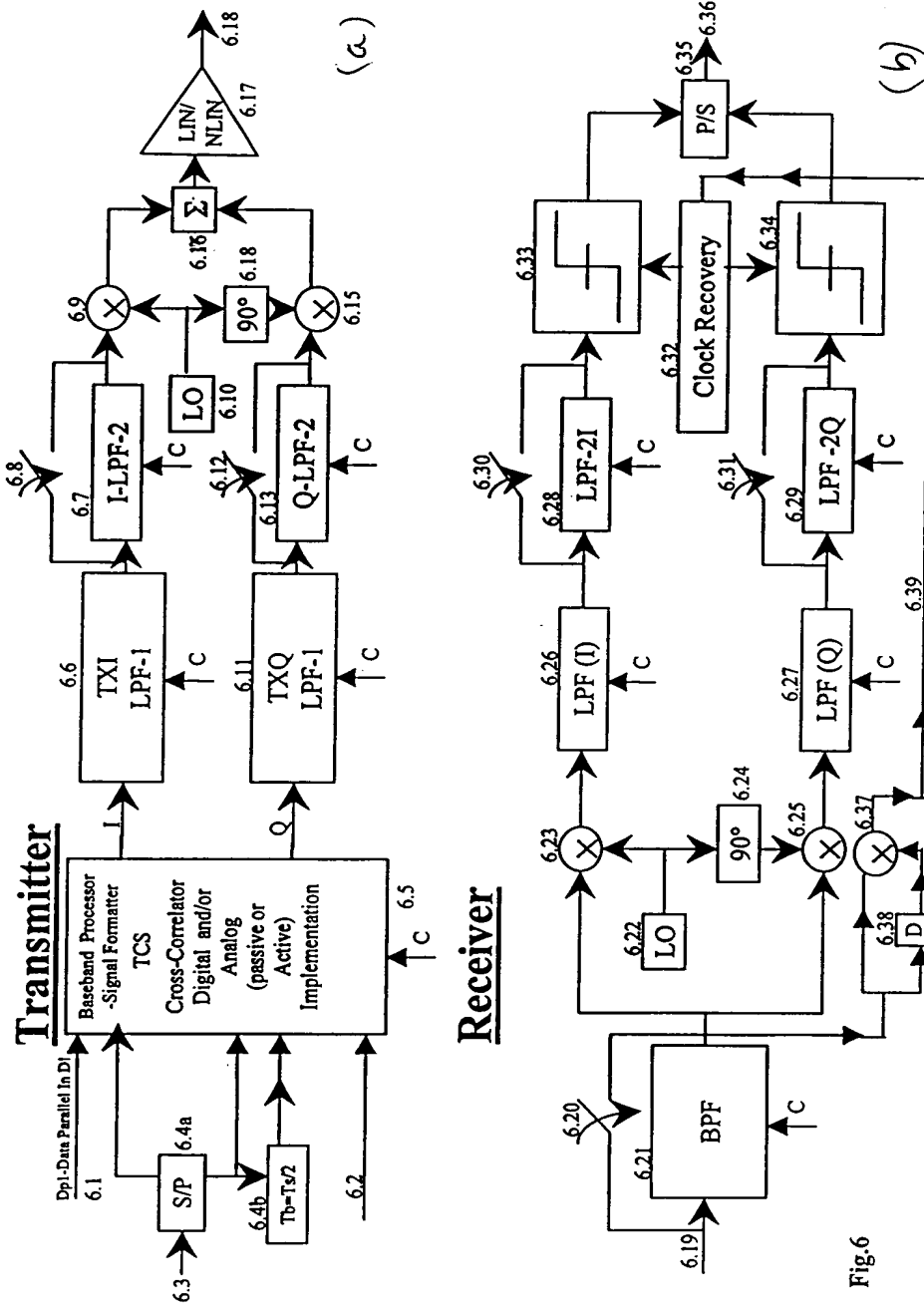


Fig.6

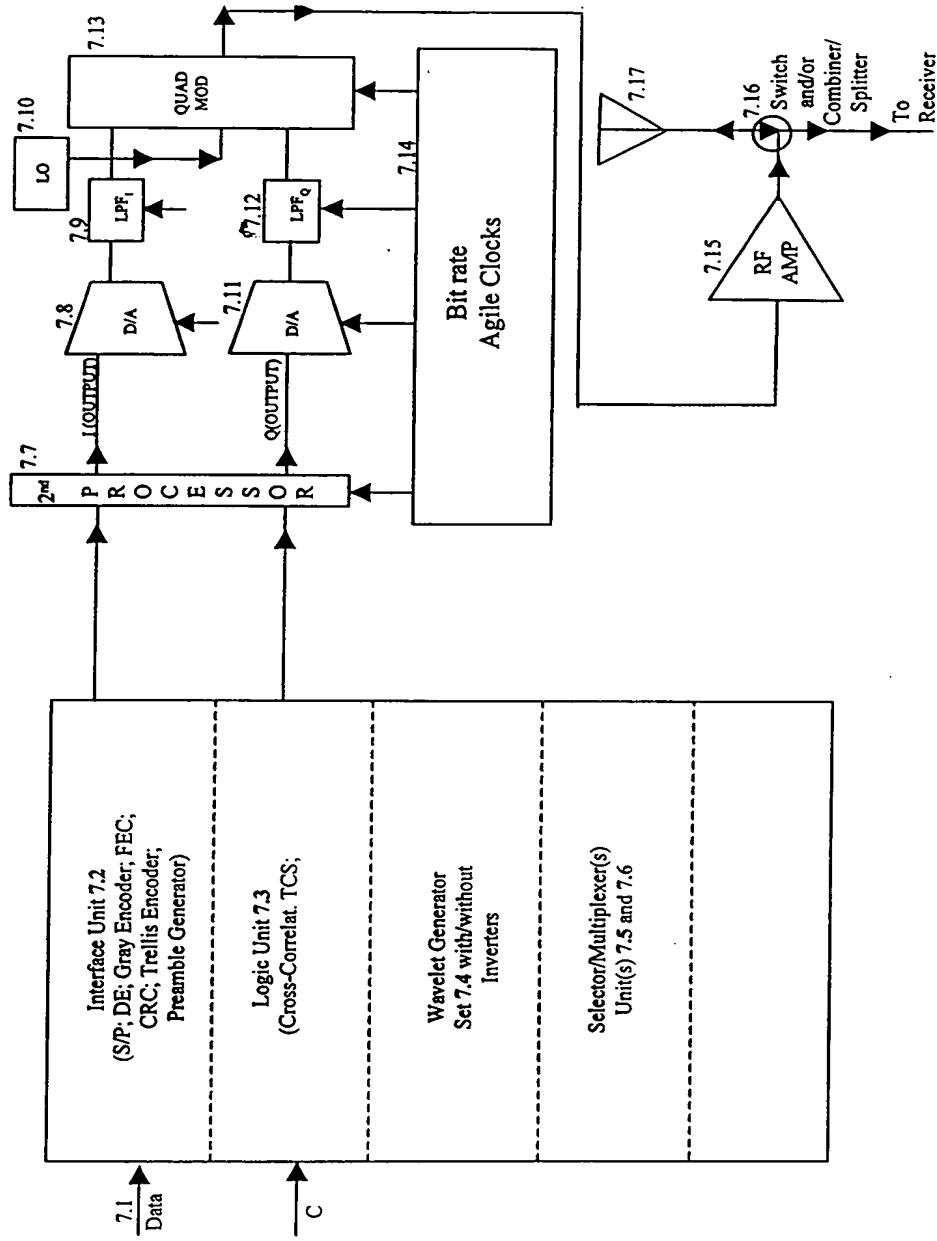


Fig.7



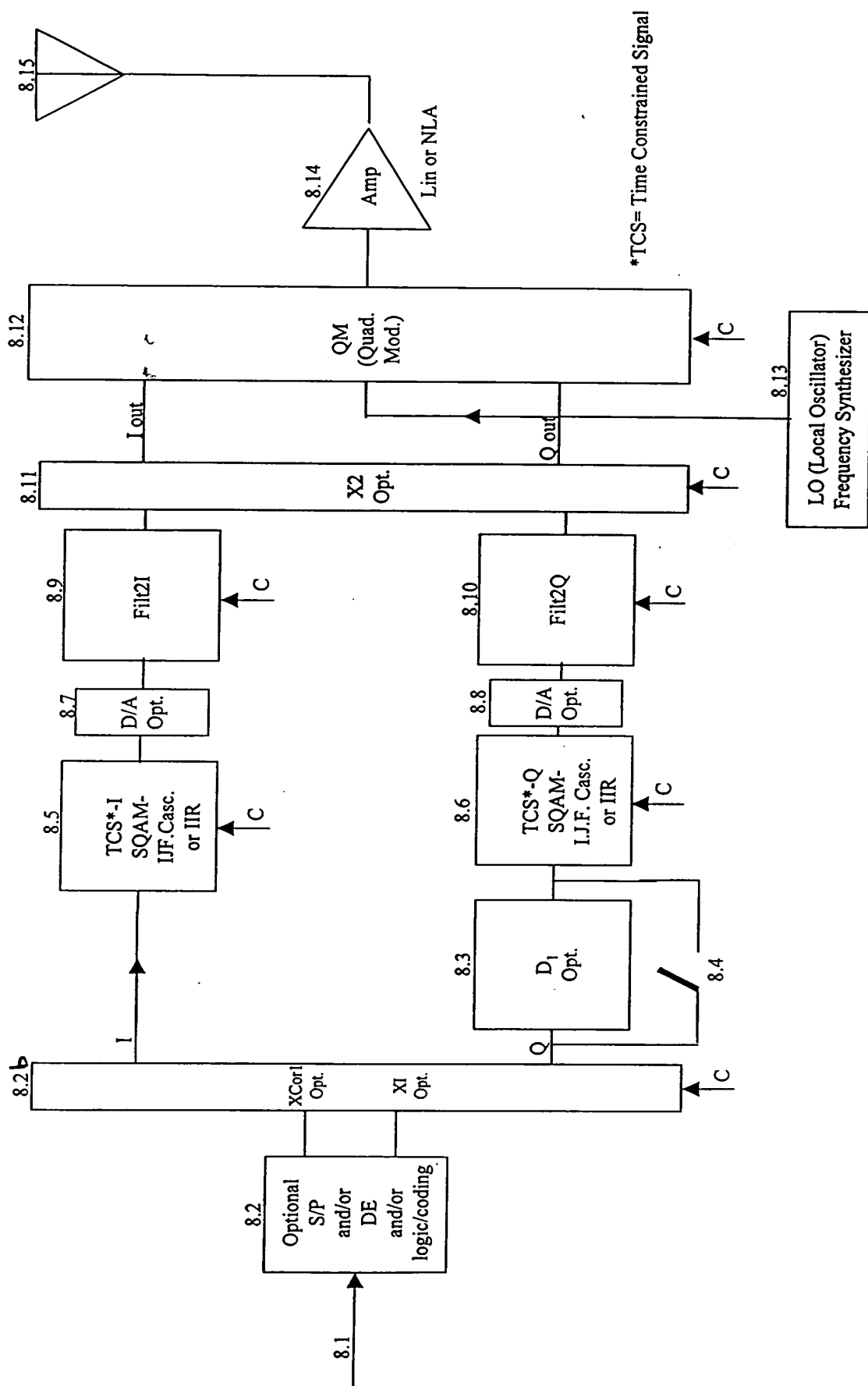


Fig. 8

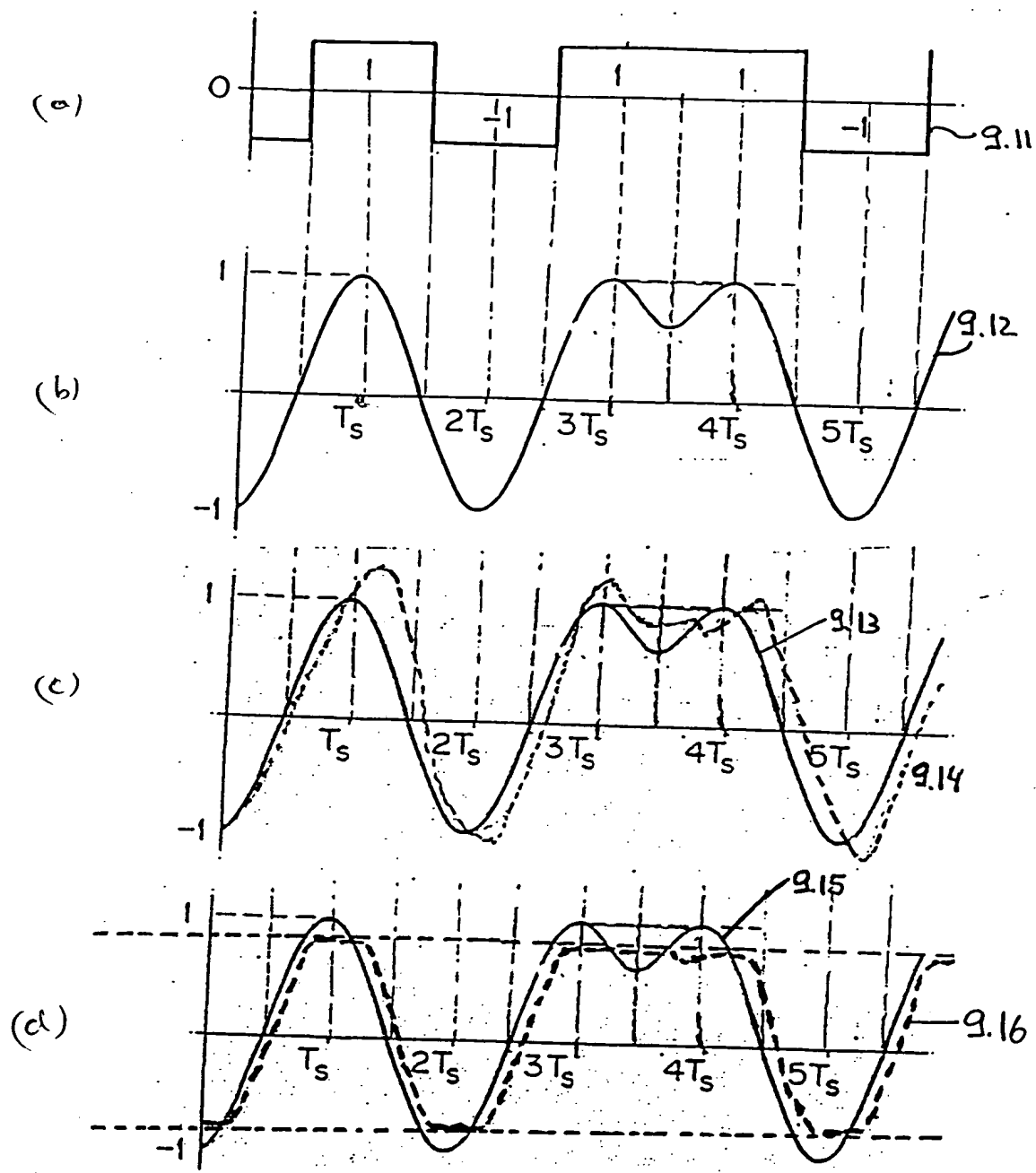


Fig. 9

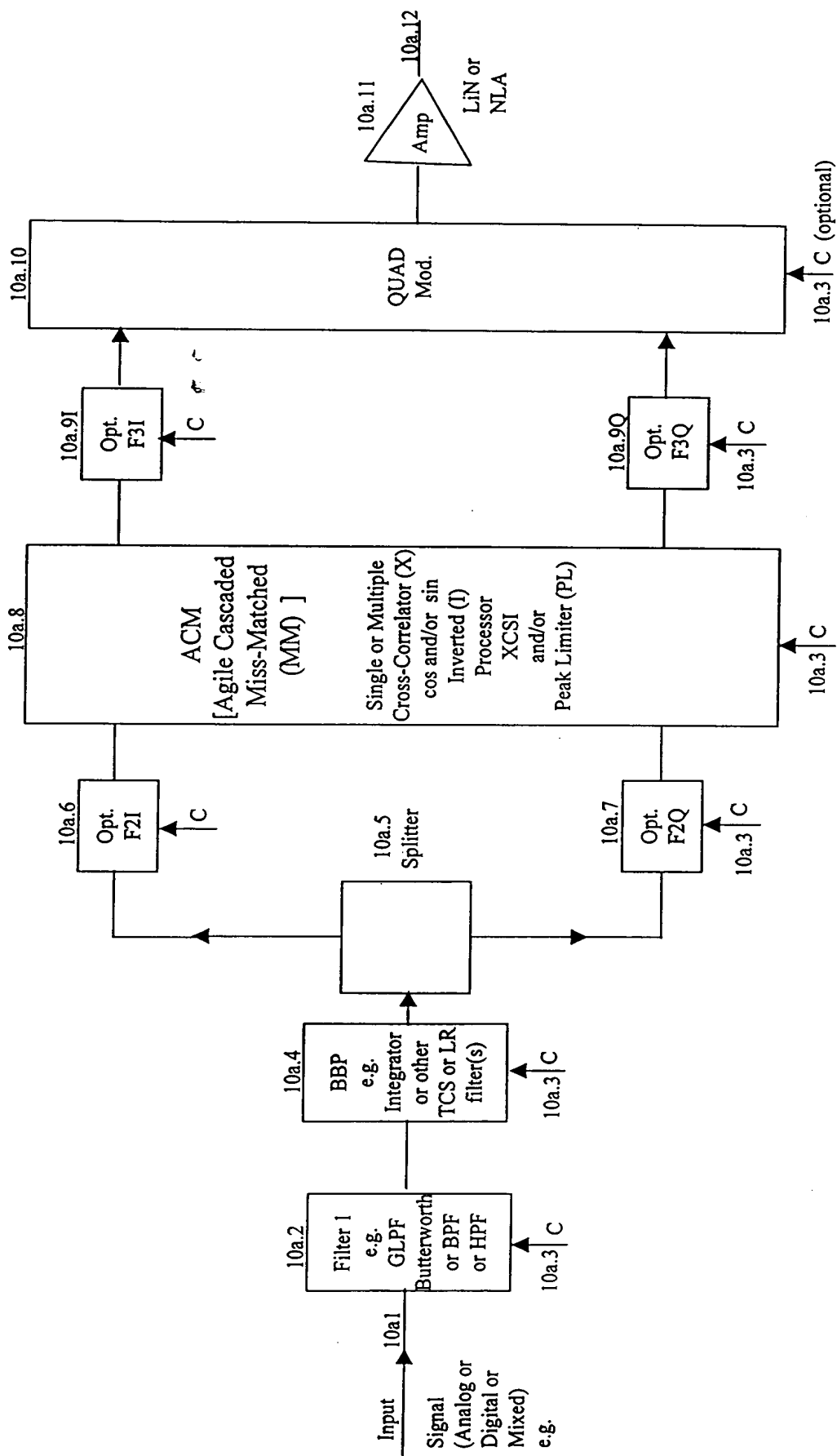
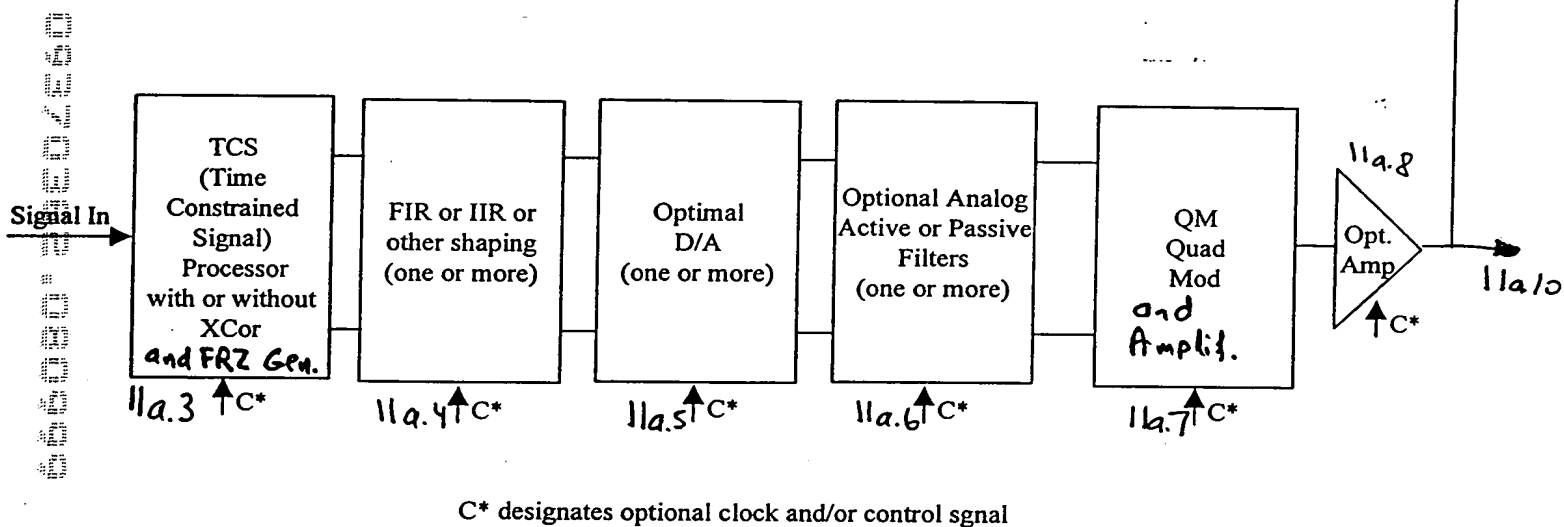
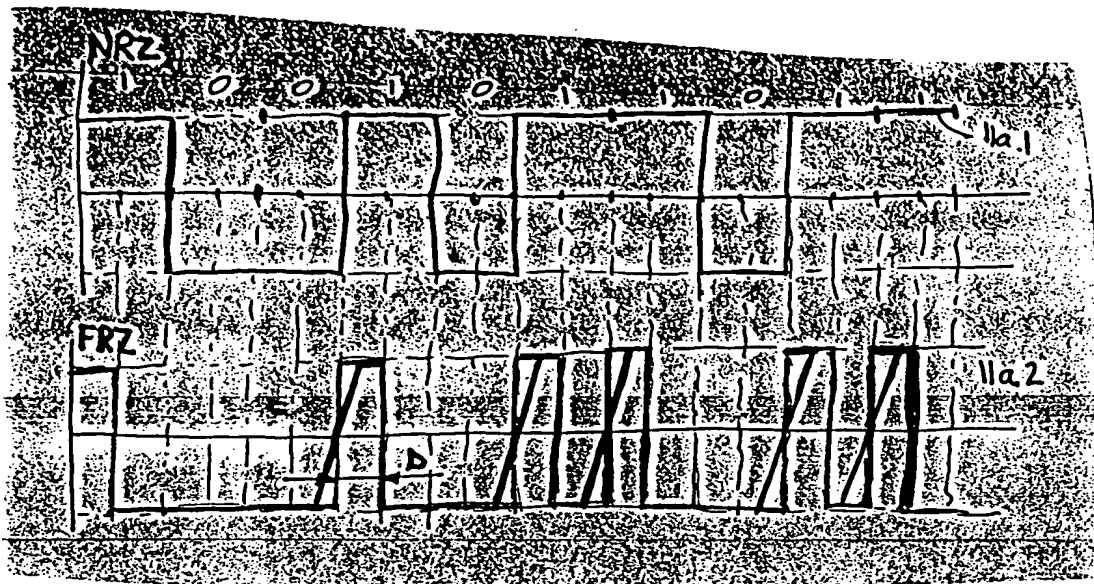


Fig.10a



BEST AVAILABLE COPY

Fig. 11a

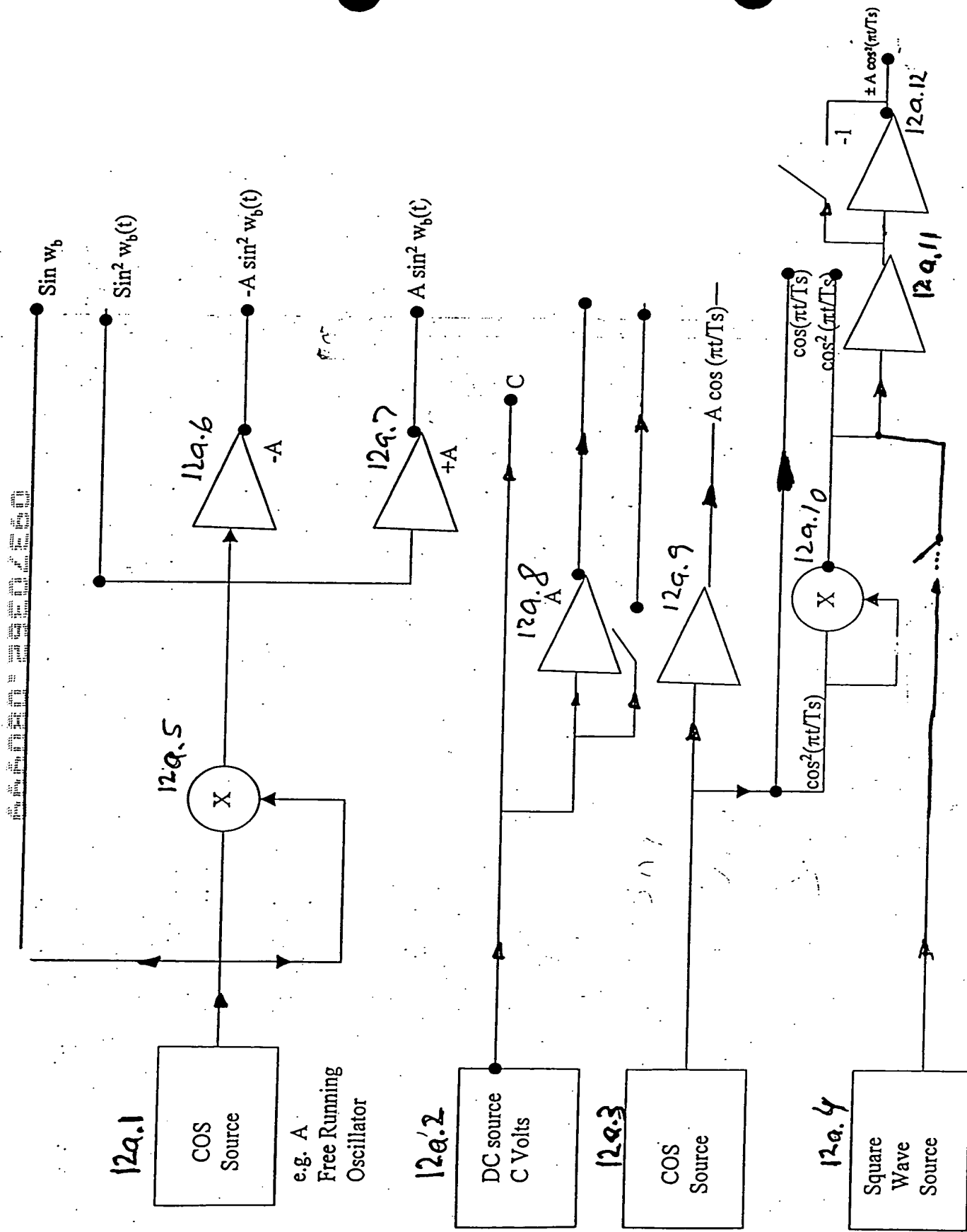


Fig. 12a

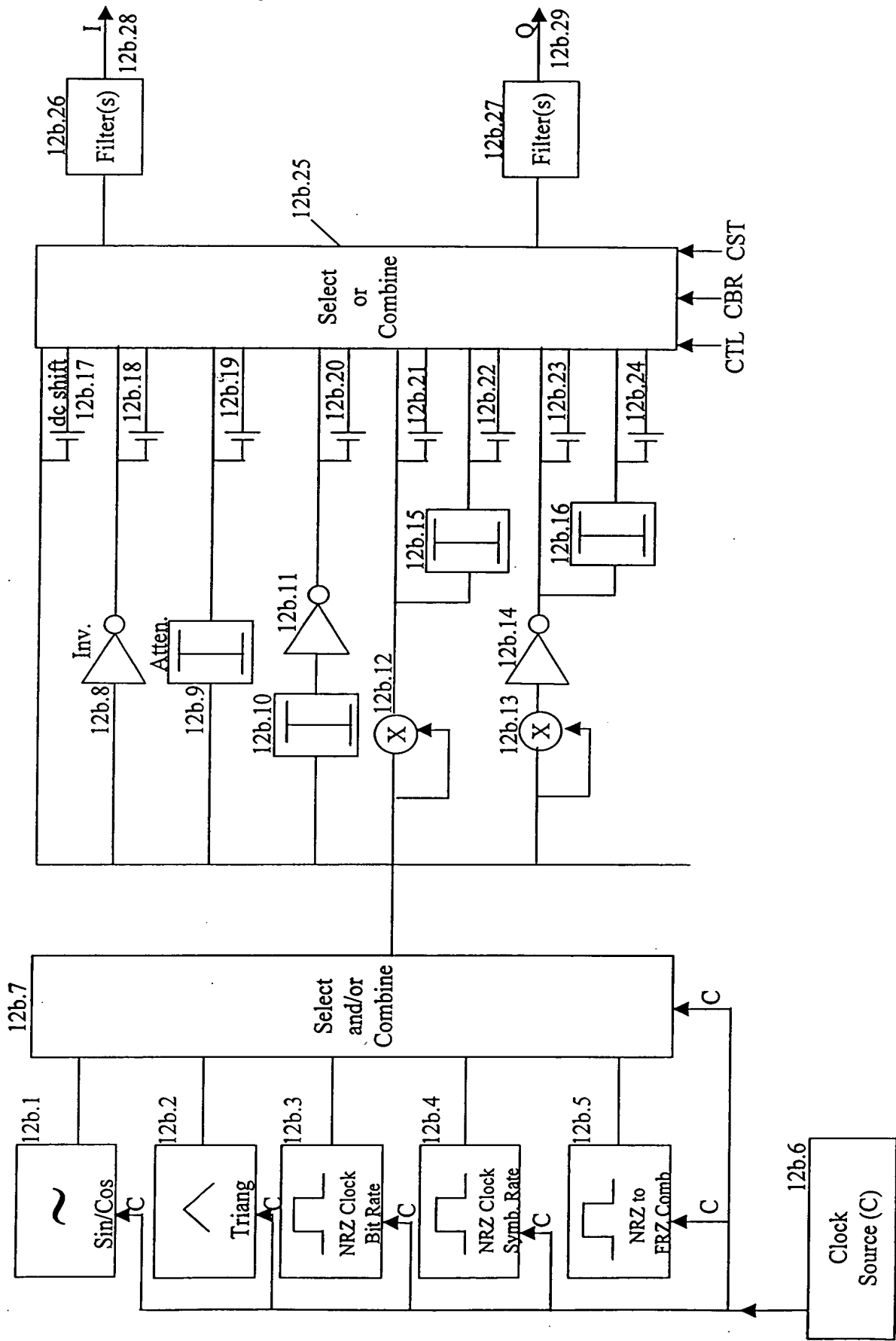


Fig. 12b

13a.1  
13a.2  
13a.3  
13a.4  
13a.5  
13a.6  
13a.7  
13a.8  
13a.9

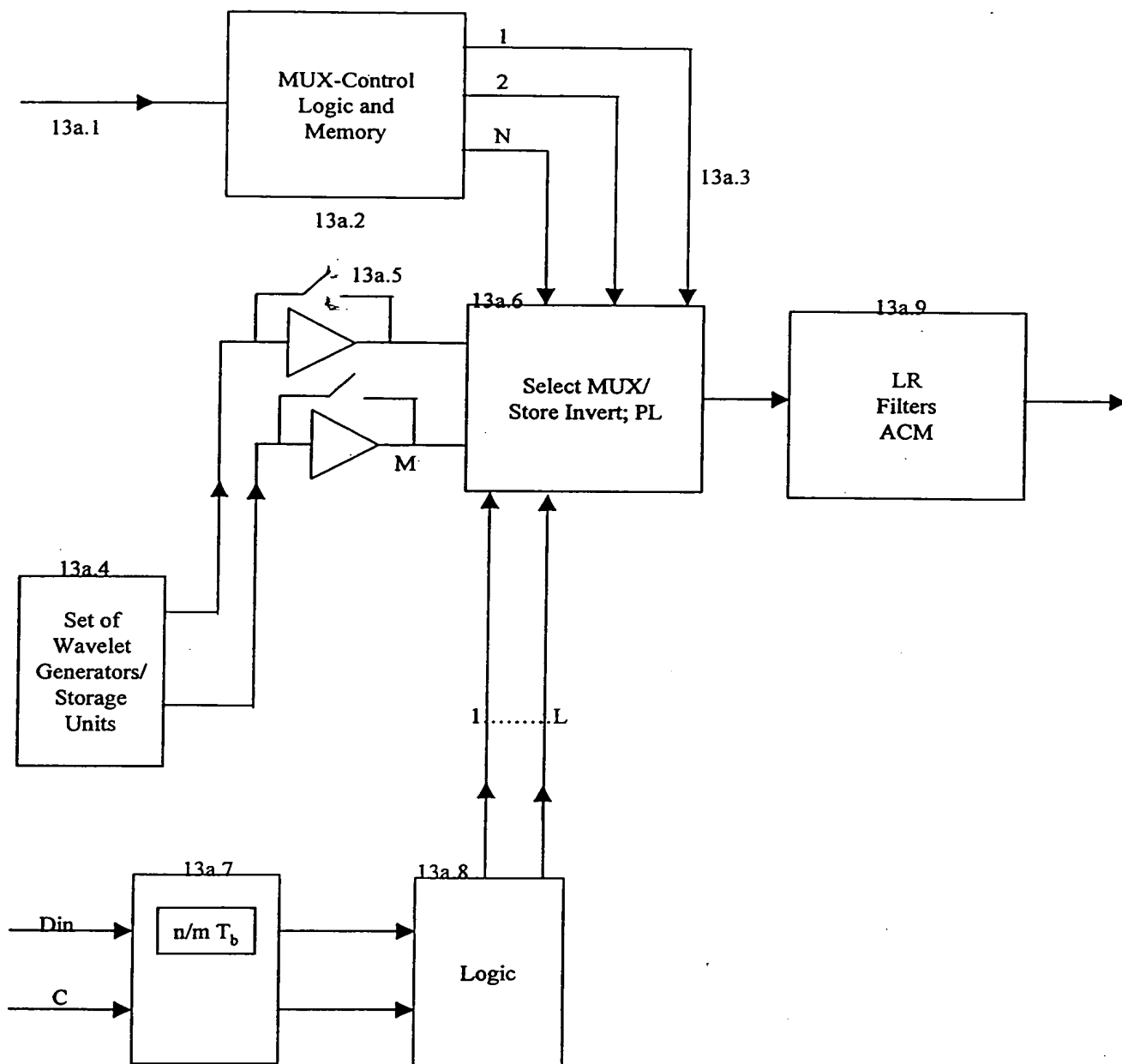


Fig.13a





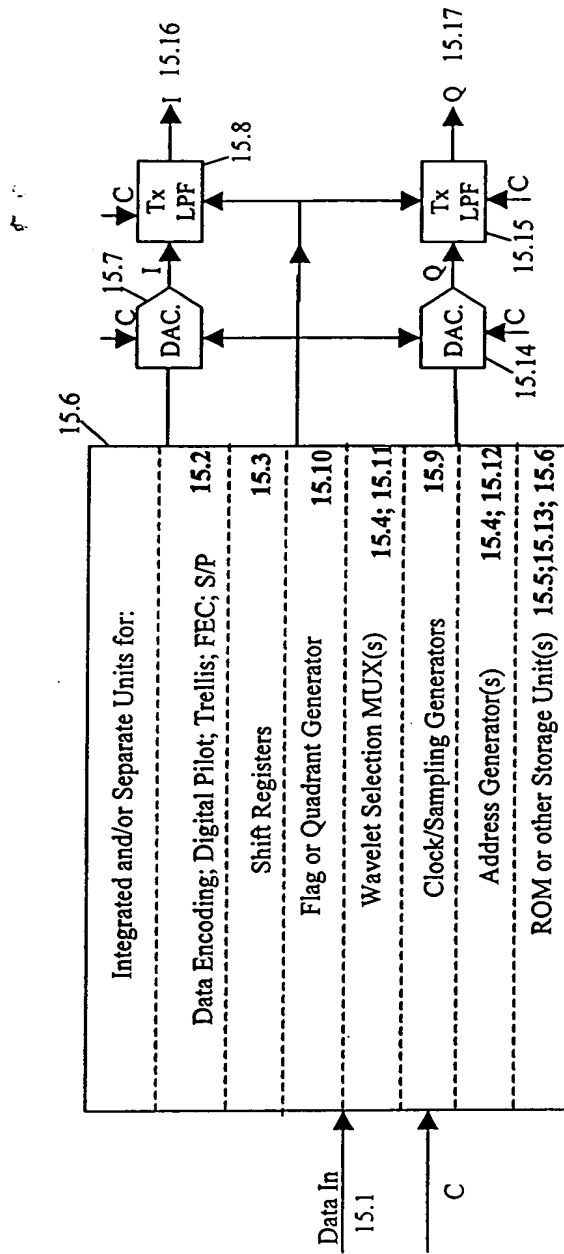
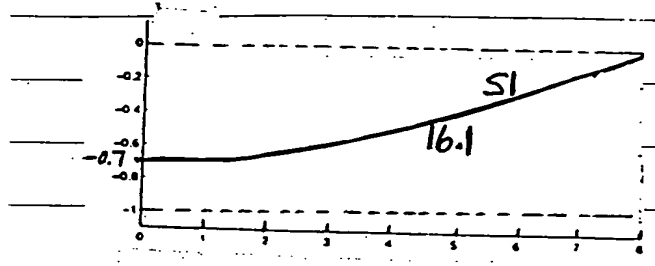
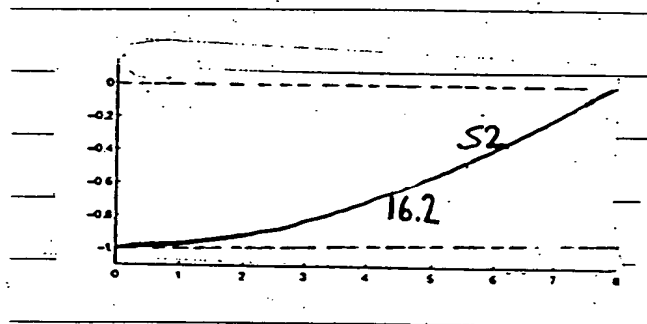


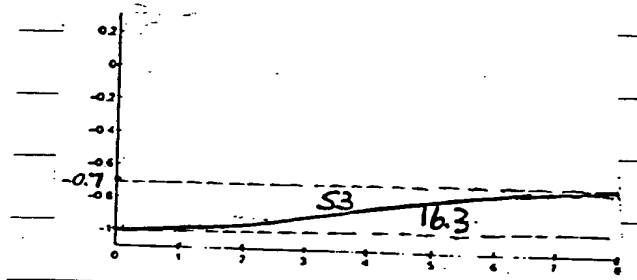
Fig.15.



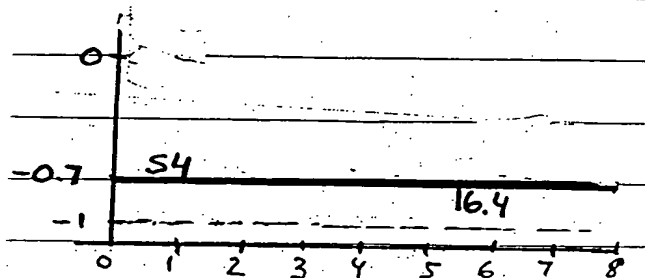
(a)



(b)

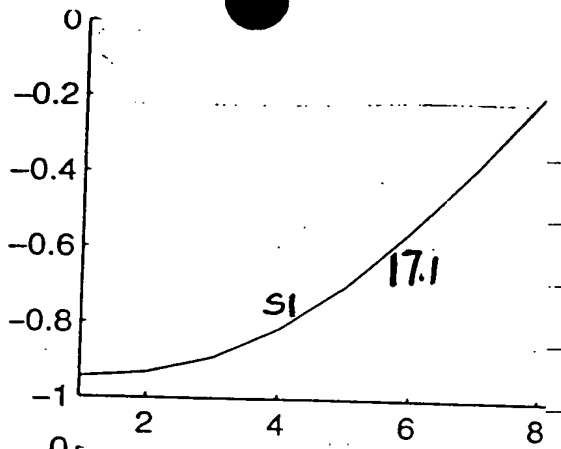


(c)

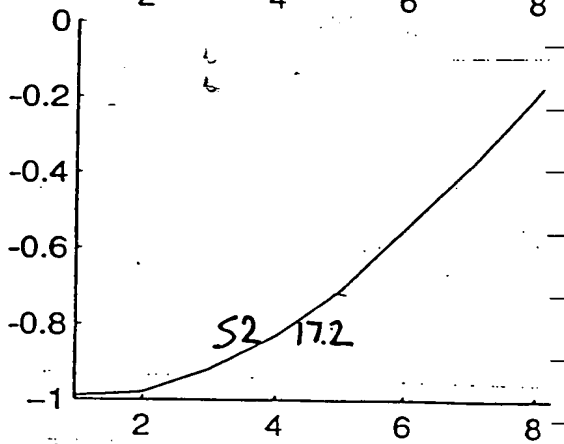


(d)

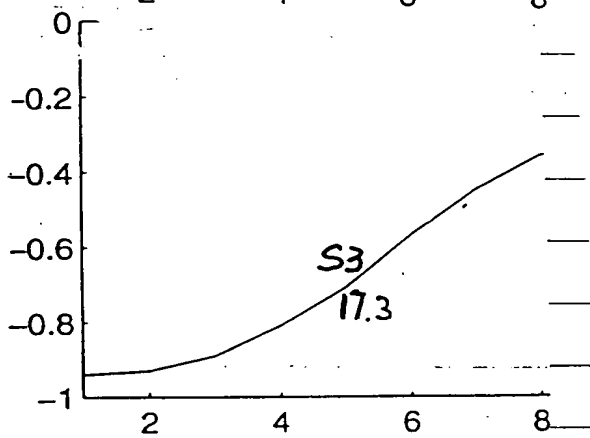
Fig. 16



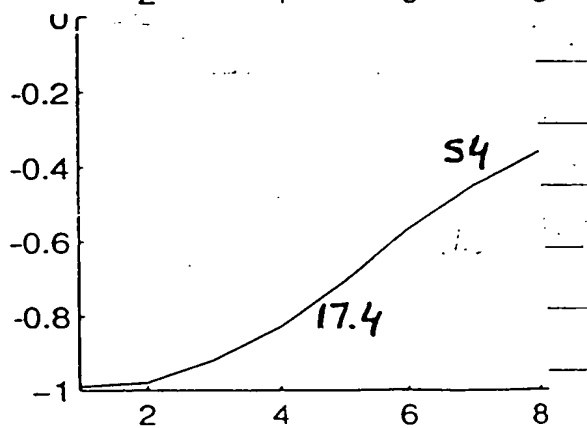
(a)



(b)



(c)



(d)

Fig. 17

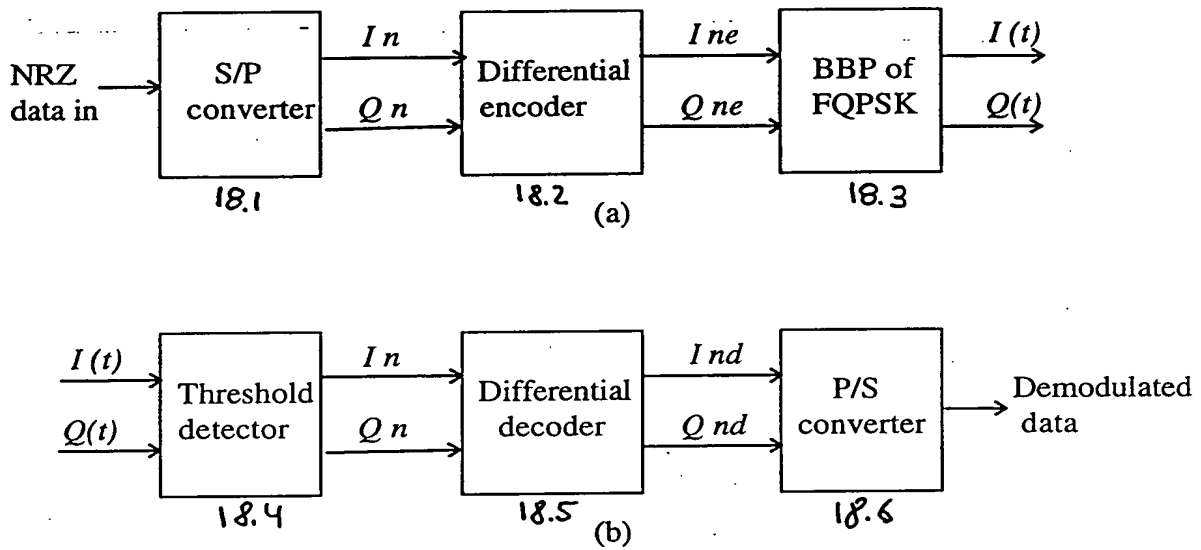
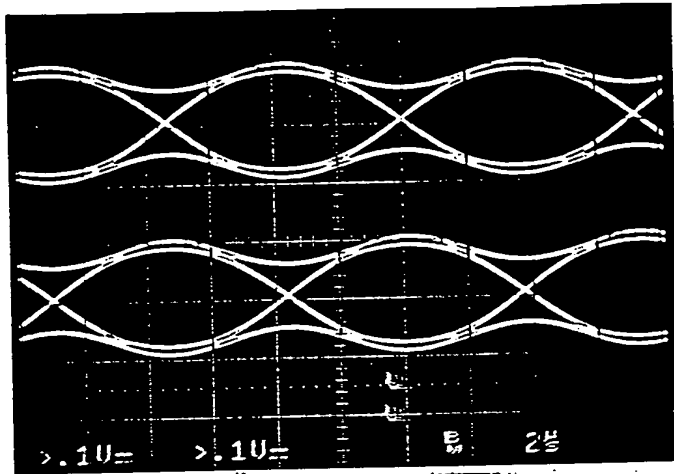
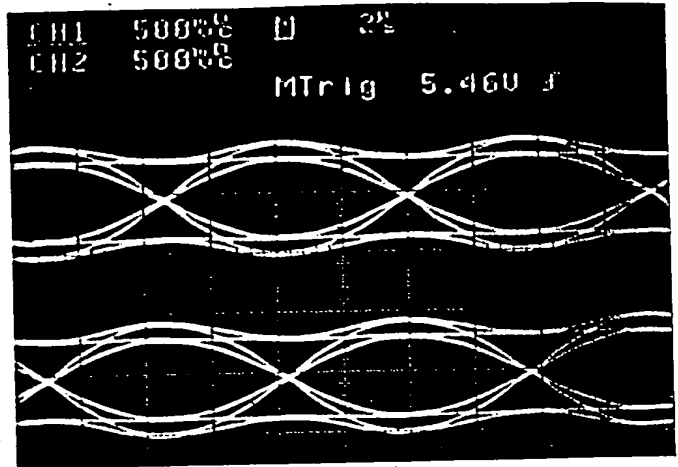


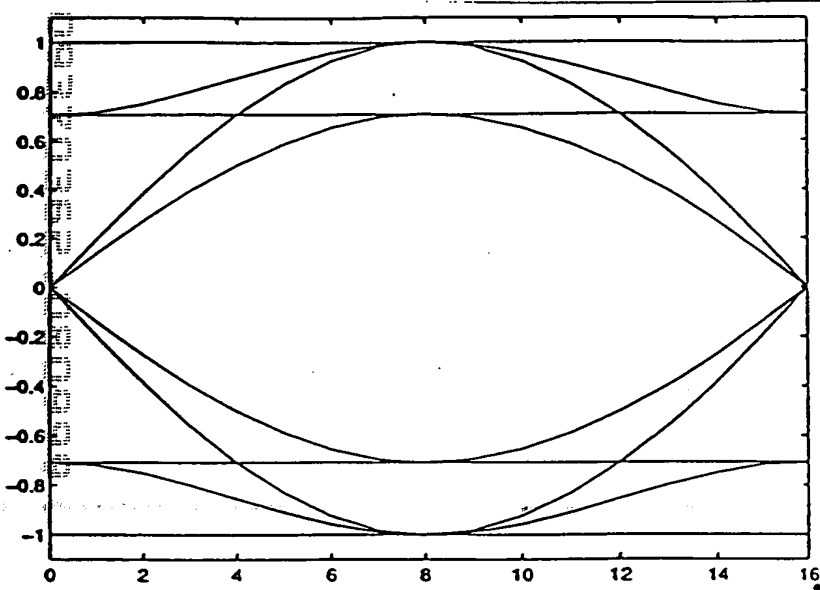
Fig. 18



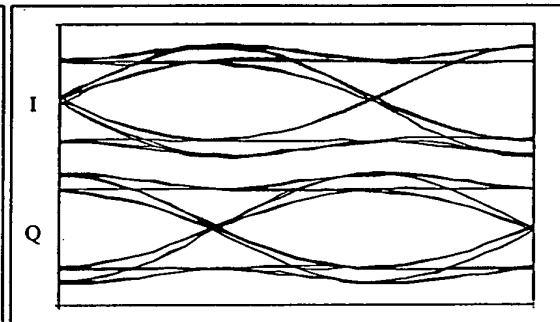
(a) FGMSK (BTb = 0.3)



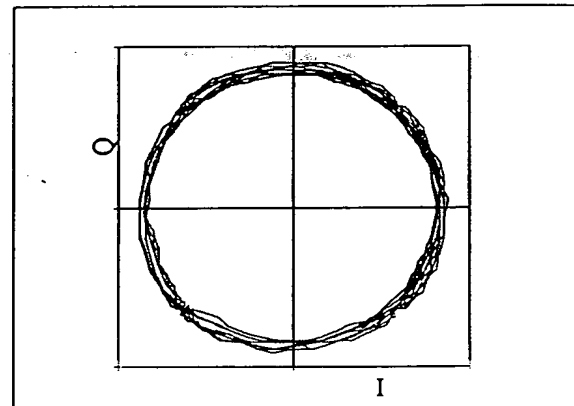
(b) FQPSK meas. min. filt. A = 0.7



(c) FQPSK Computer. Gener.  
A = 0.7, no post TCS filtering



(d) FQPSK-B meas.



(e) FQPSK-B. Vector constellation

FIG. 20 is a block diagram of a digital baseband processor for a radio transmitter. The diagram shows the signal flow from an input signal to an amplifier, including various processing blocks and a clock distribution system.

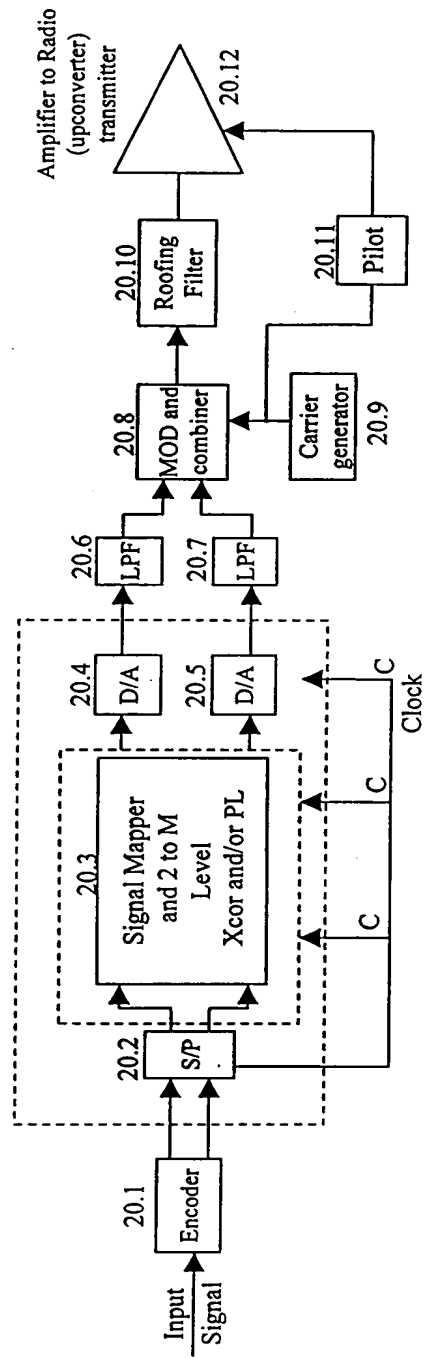
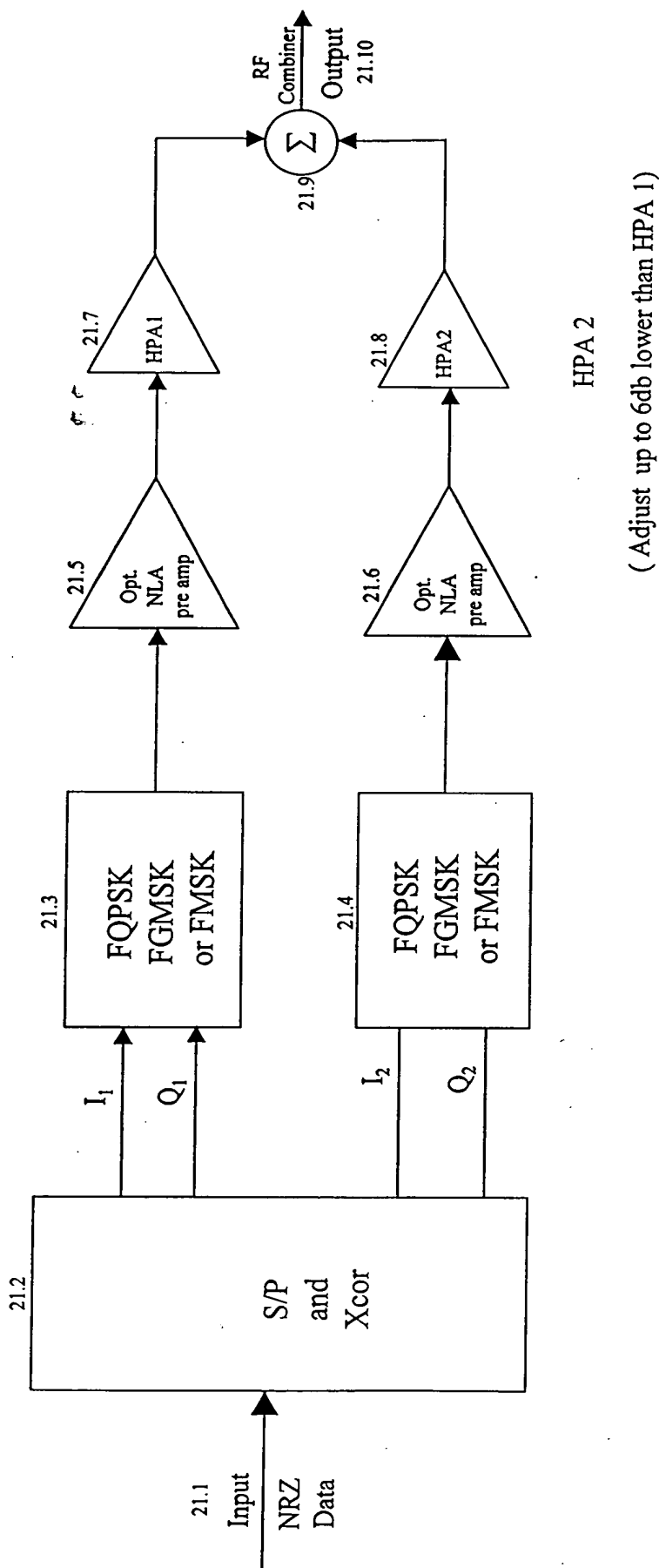


Fig.20

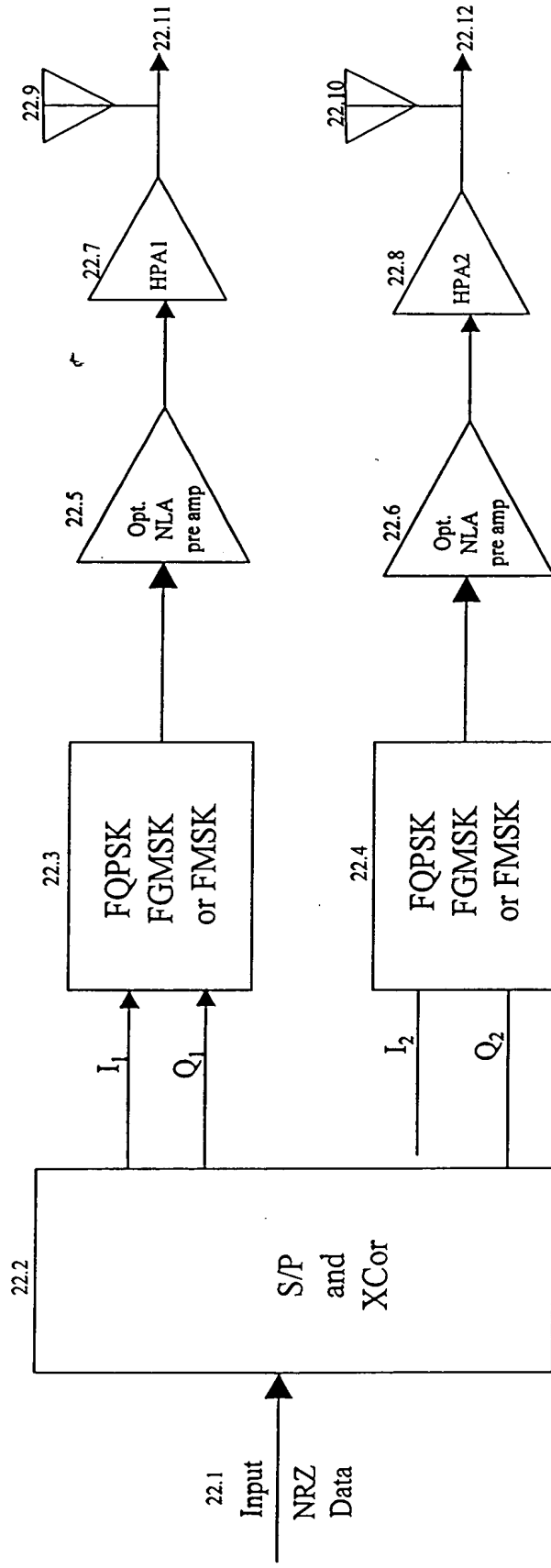
Hard-limiters or low power or High Power Amp(HPA) NLA or LIN



HPA1 & HPA2 are operated in a saturation NLA or LIN mode.

Fig.21

# Hard-limiters or low power or High Power Amp(HPA) NLA or LIN



HPA 2  
 ( Adjust up to 6db lower than HPA 1 )  
 HPA1 & HPA2 are operated in a saturation NLA or LIN mode.

Fig.22



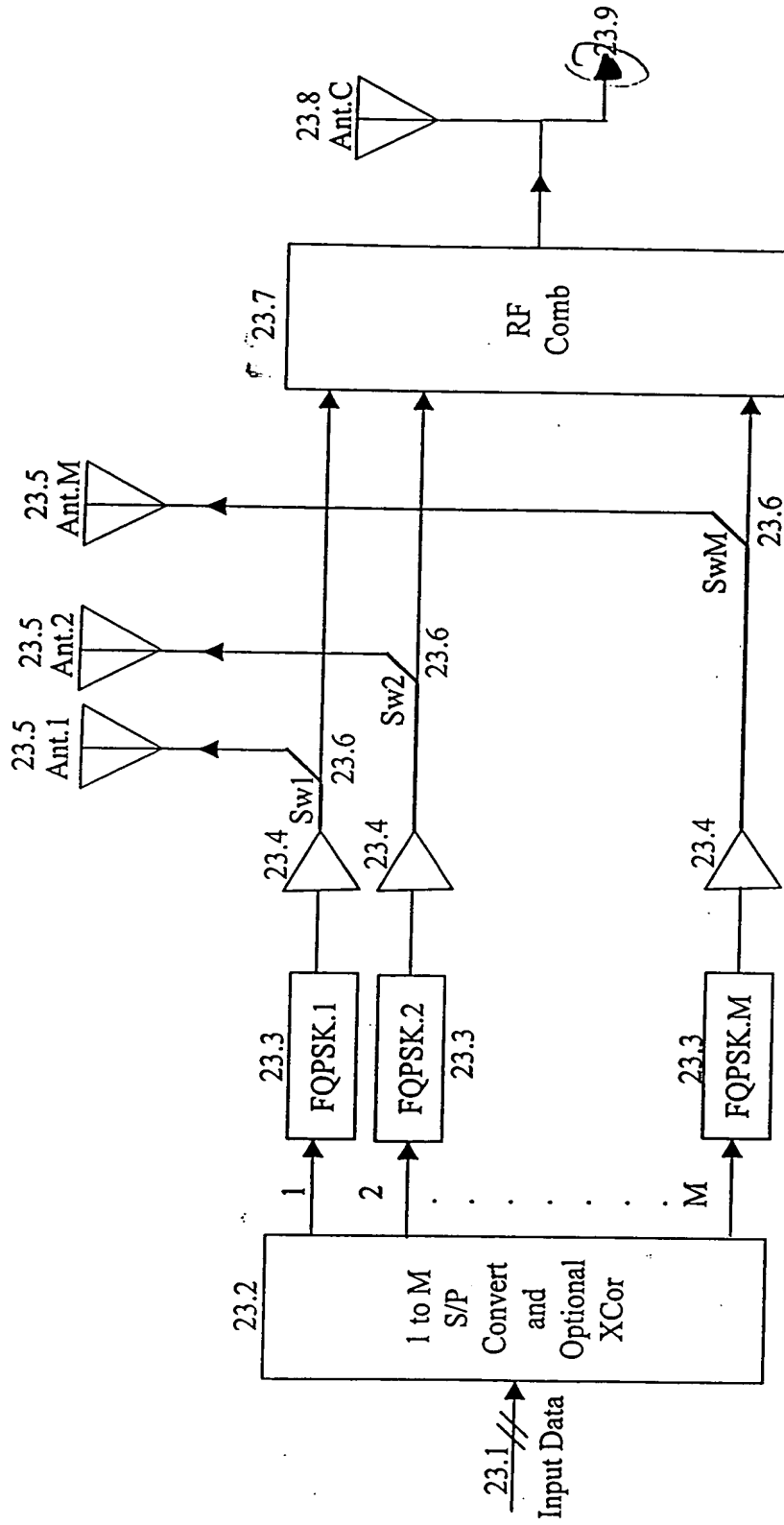


Fig.23

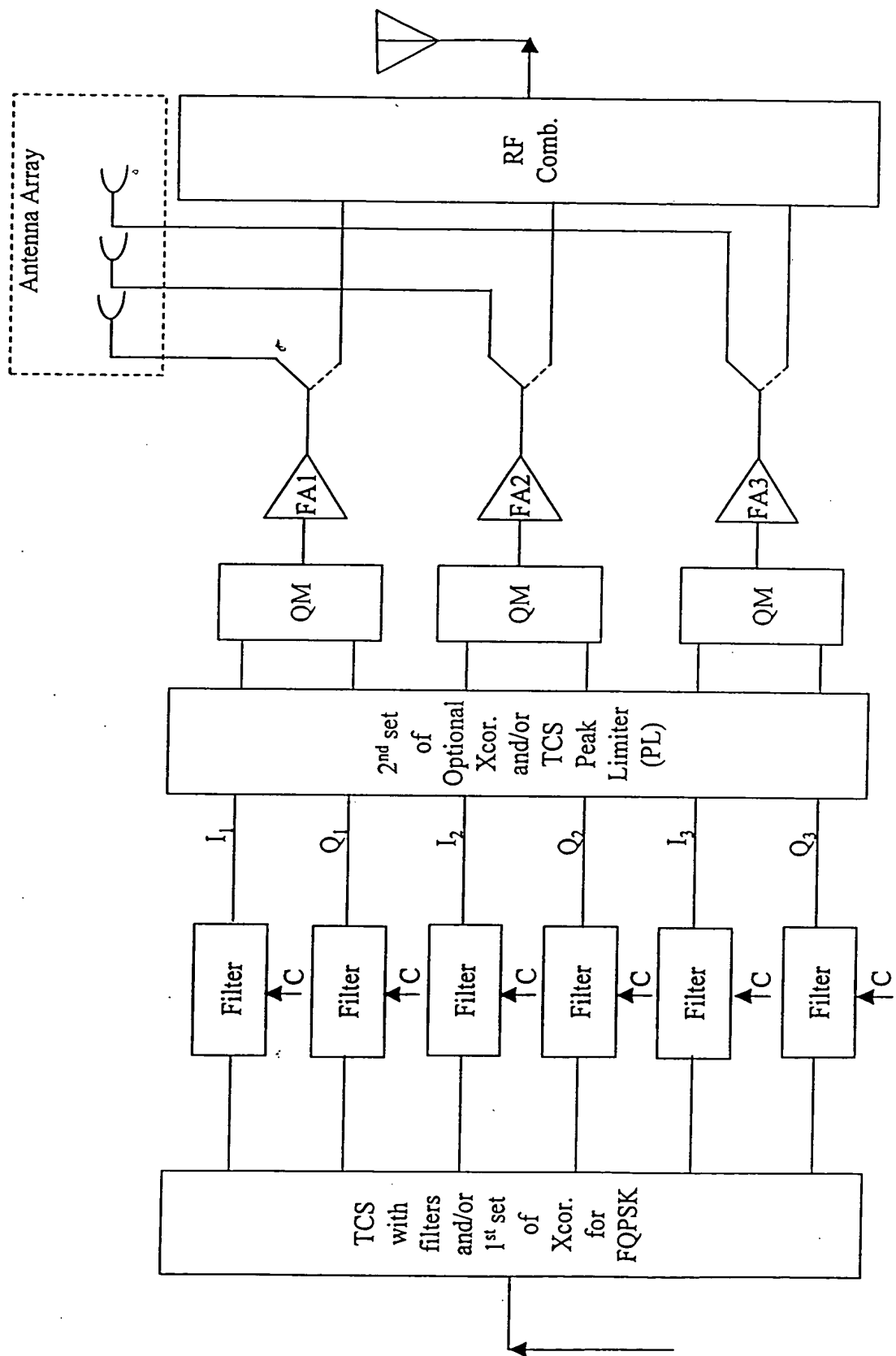


Fig.24

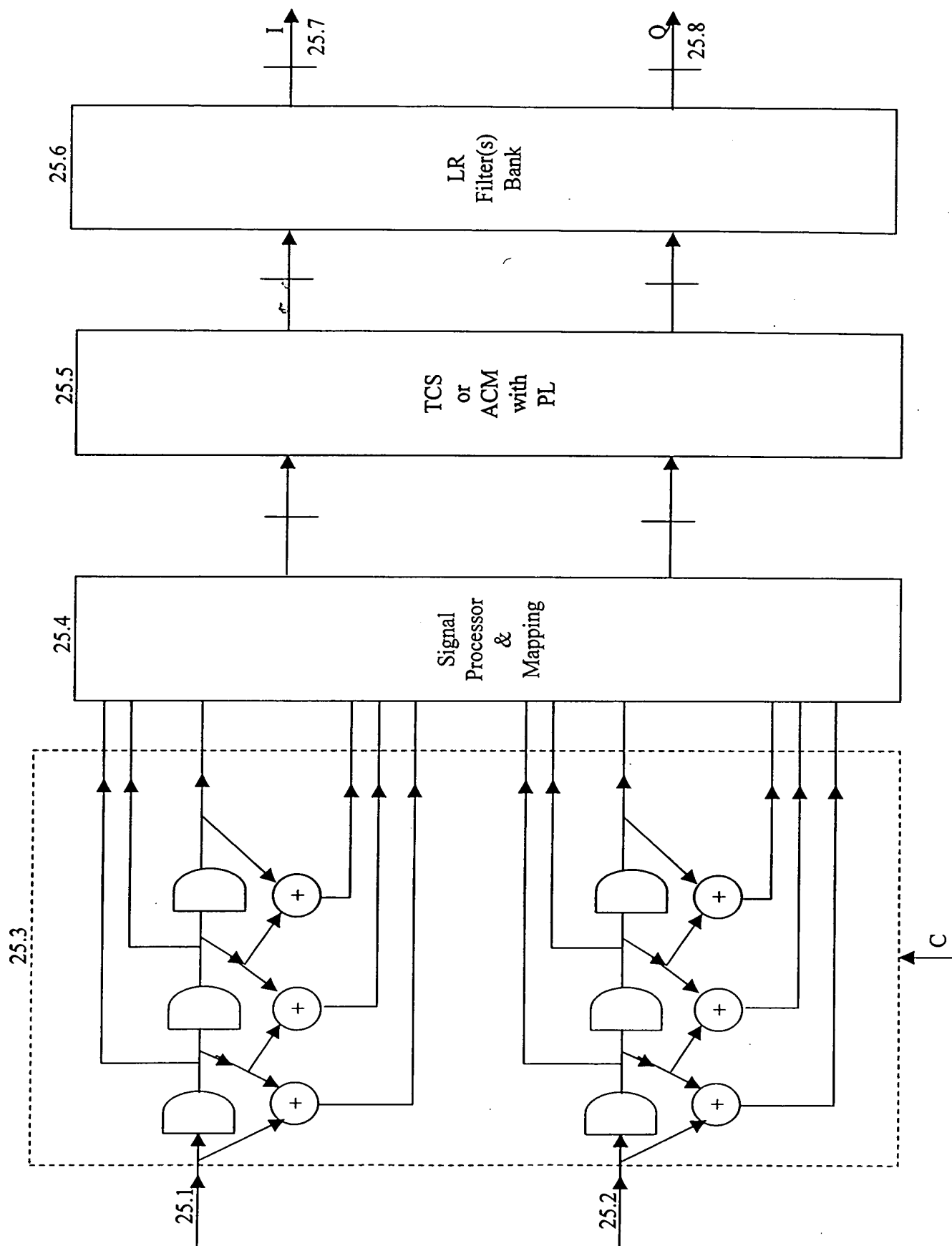


Fig.25

13 Mb/s FQPSK-B

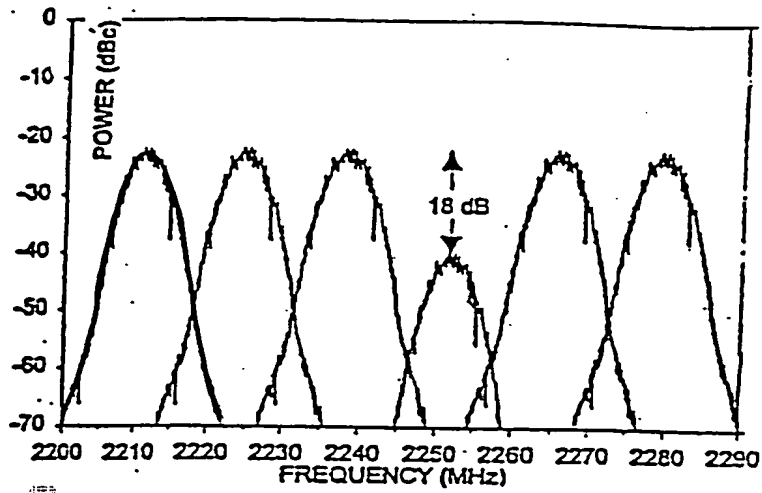


Fig. 26(a)

13 Mb/s PC/FM

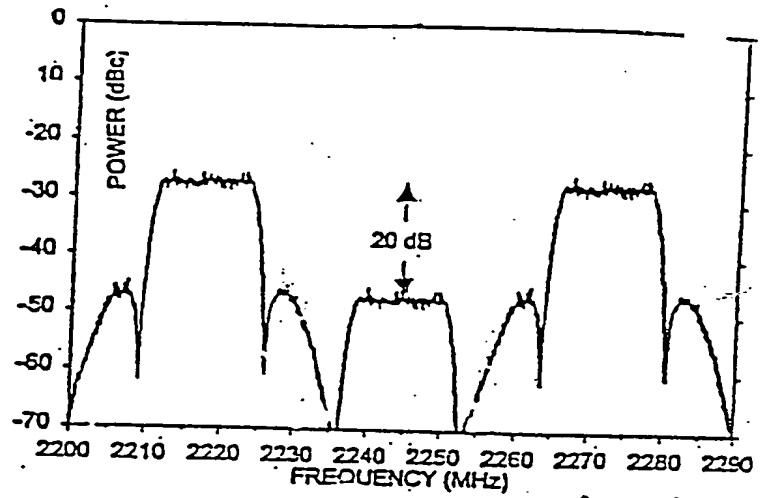


Fig. 26(b)

Fig. 26(c)

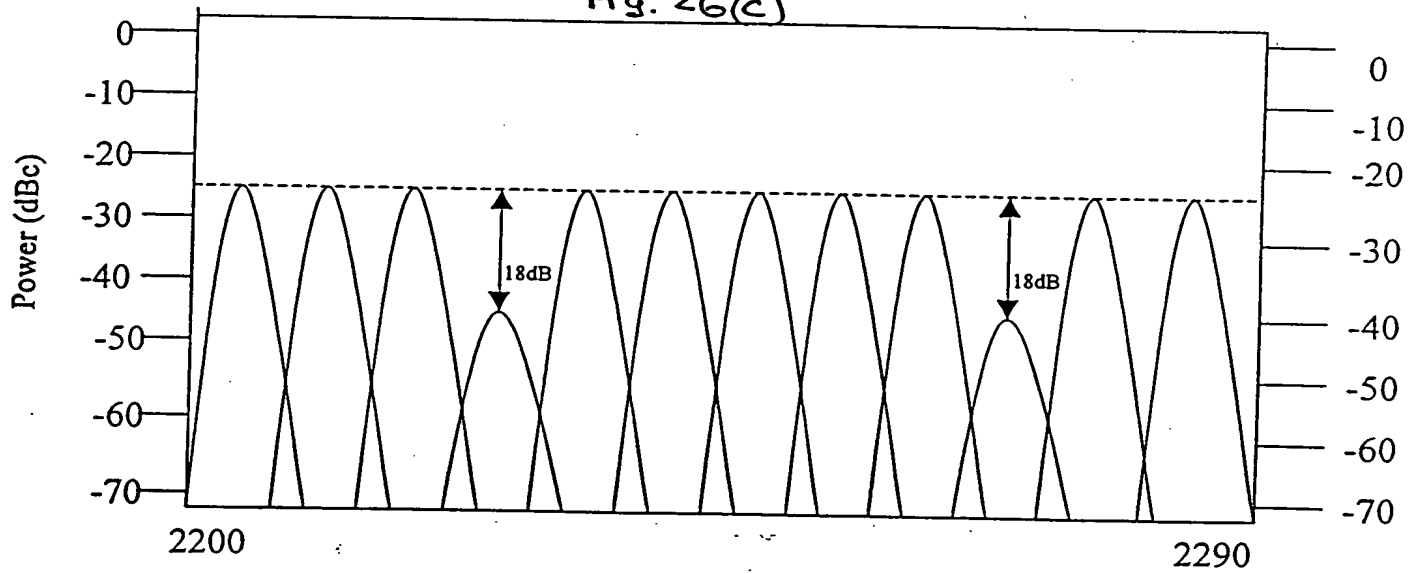


Fig. 26

5Mb/s rate LIN-FQPSK-B with SAW experiment

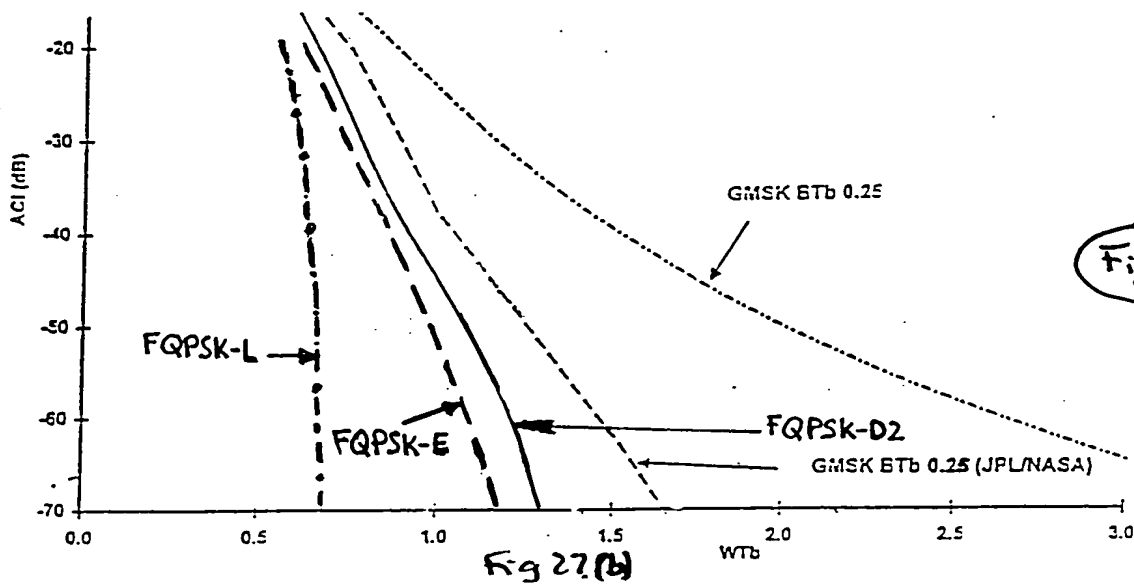
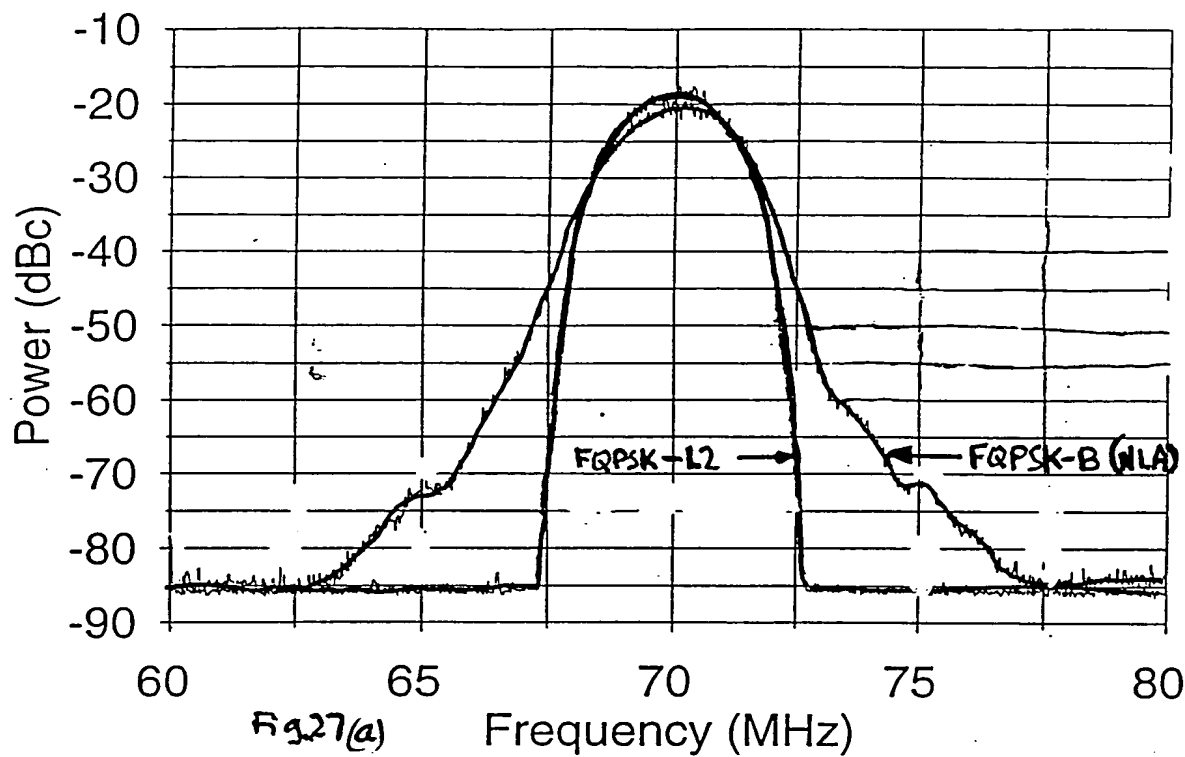


Fig. 27

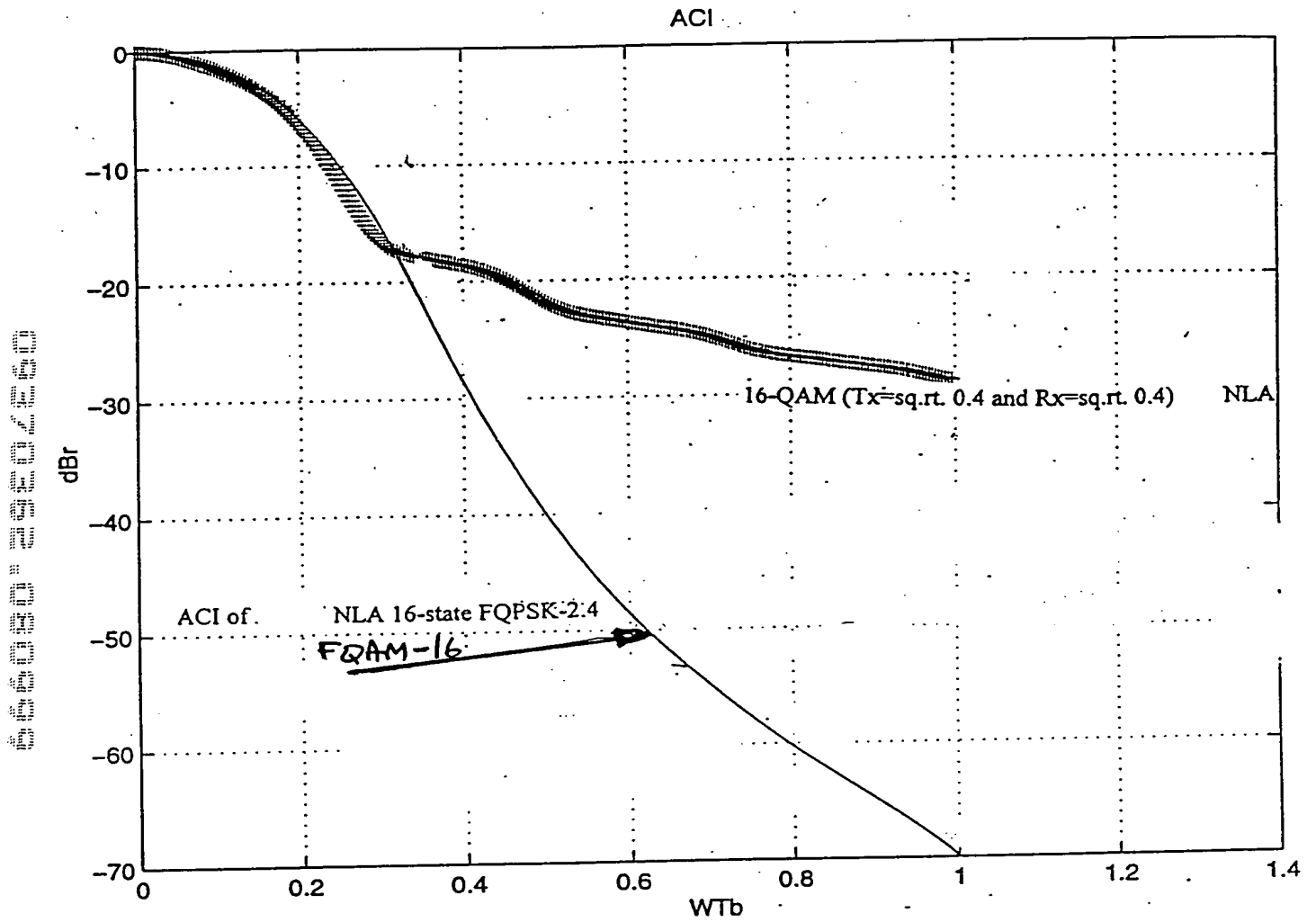


Fig. 28

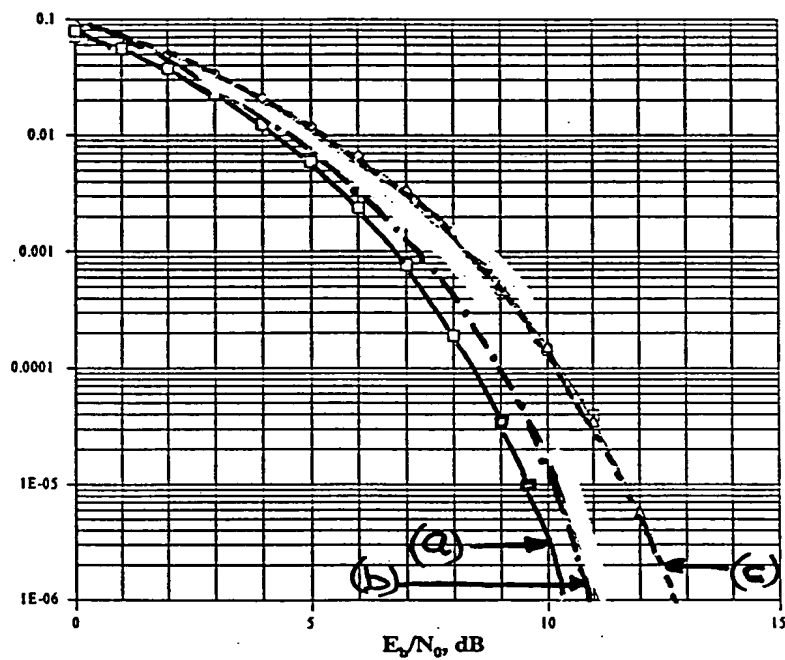


Fig. 29

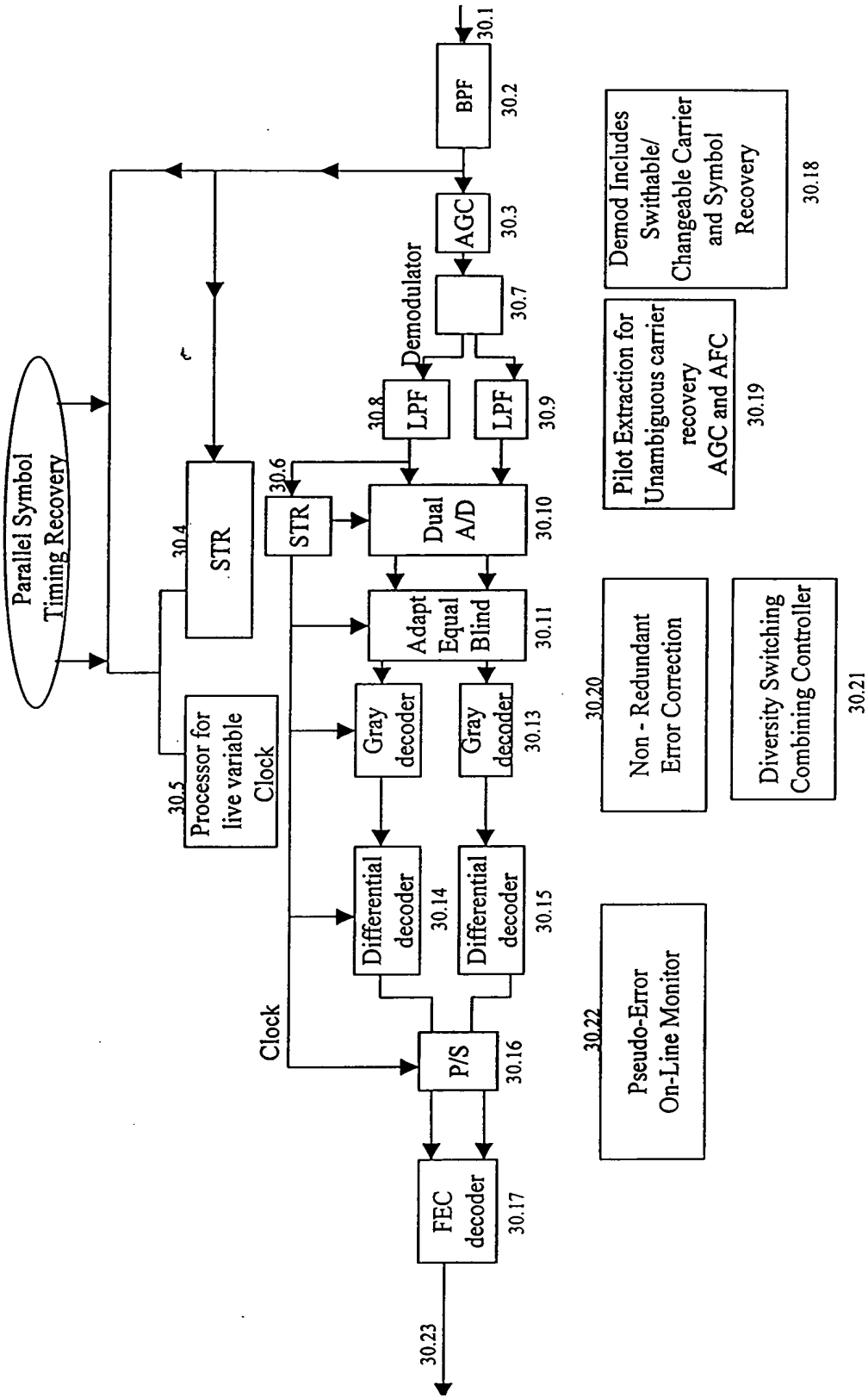


Fig.30



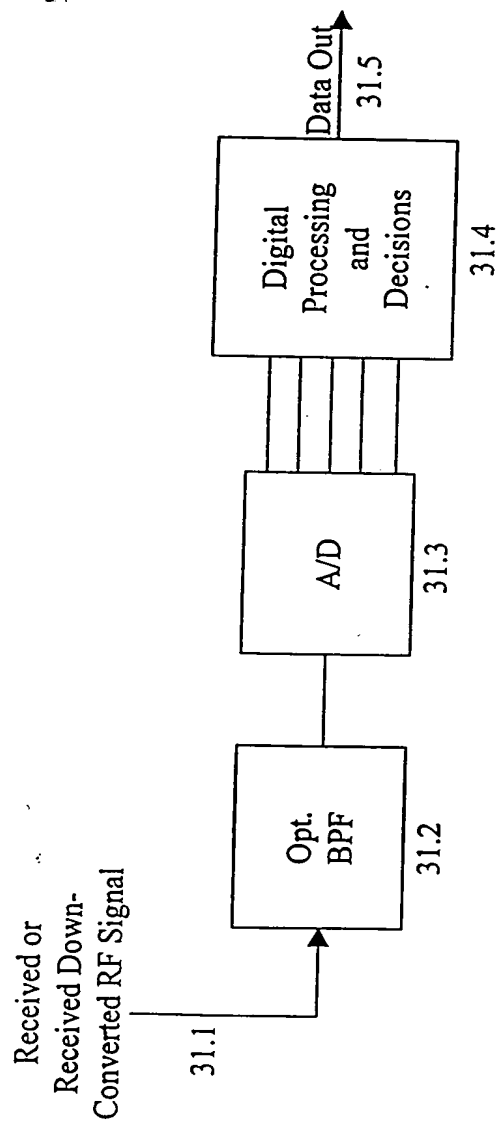


Fig. 31

Fig. 31

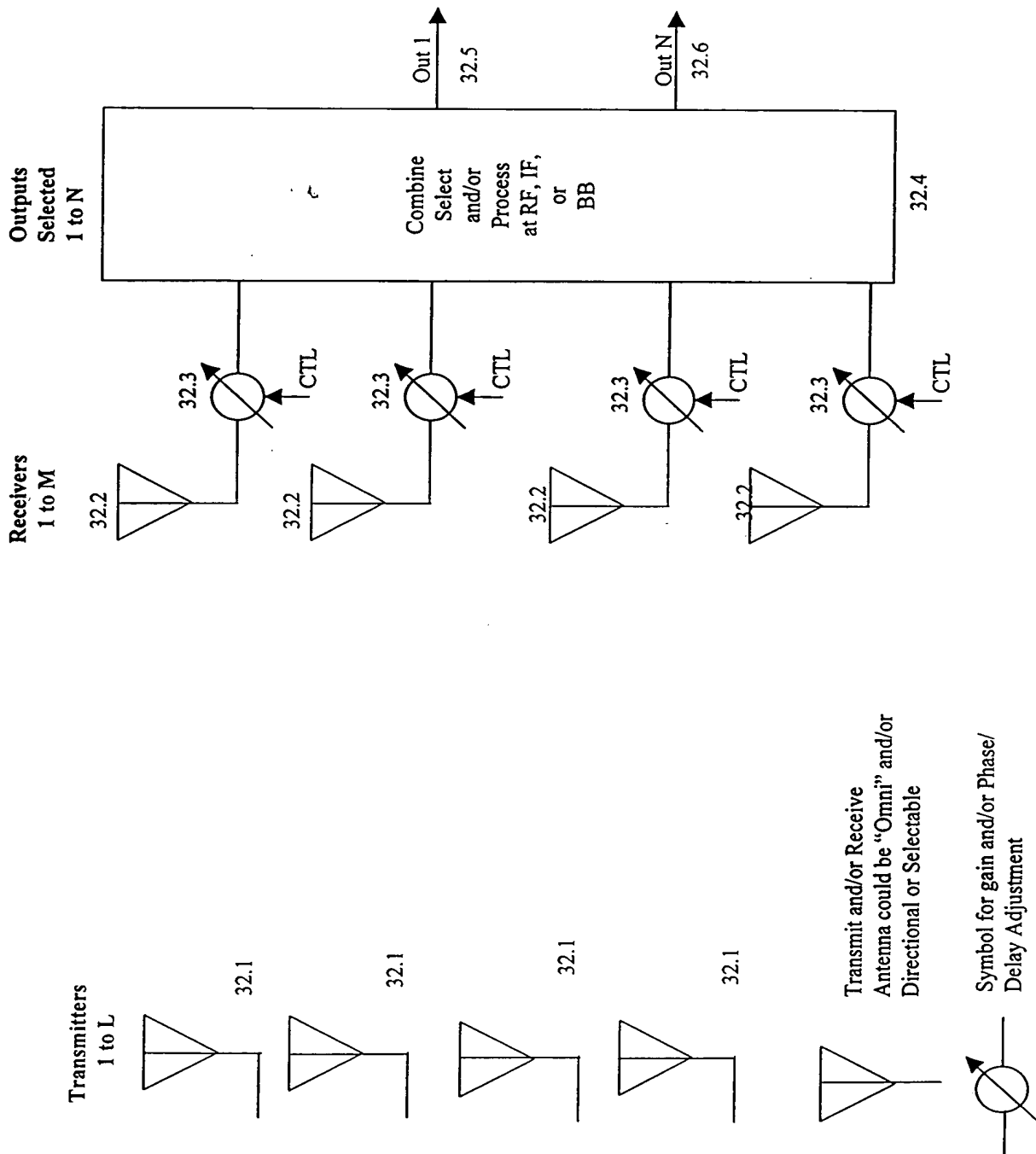


Fig.32

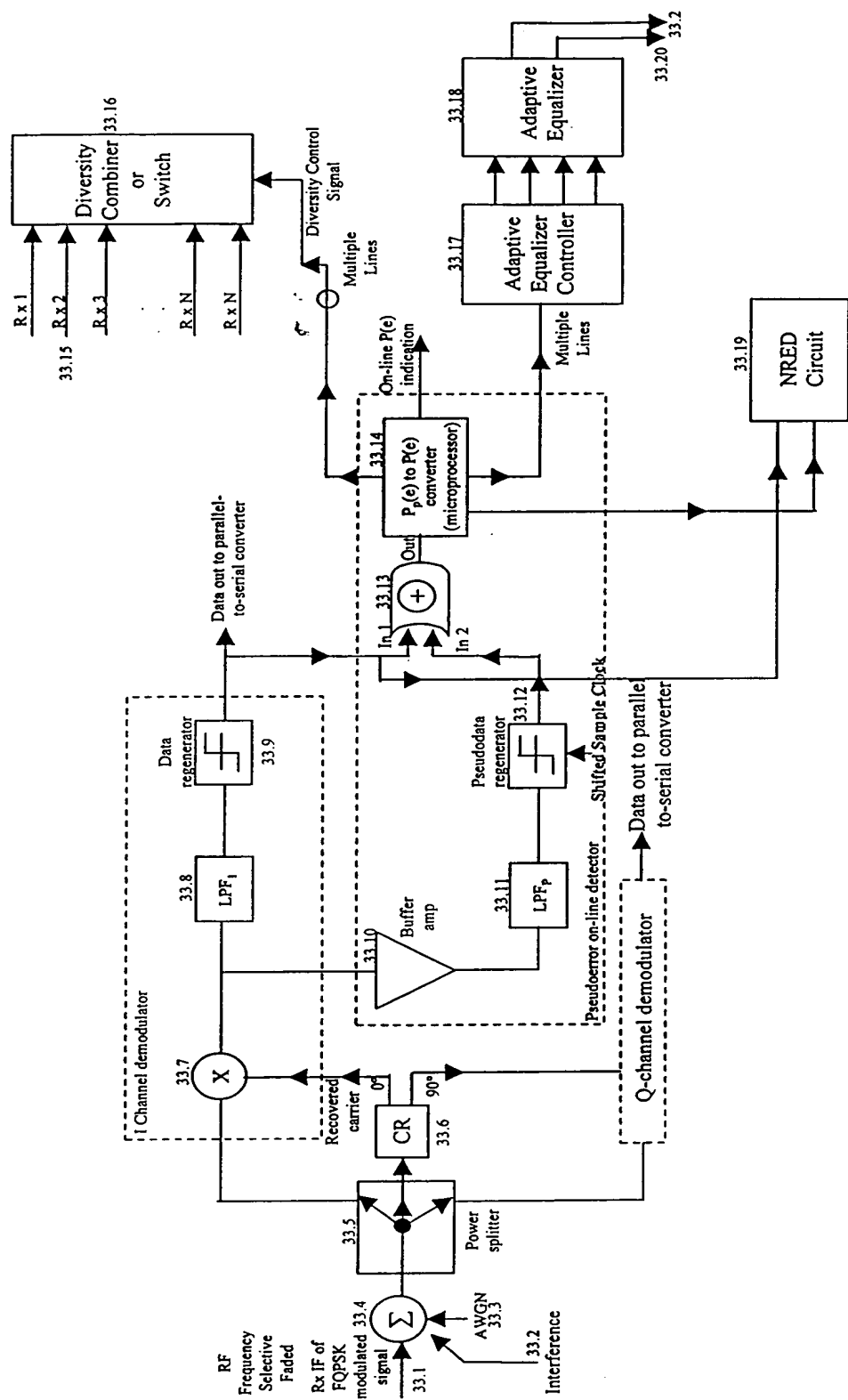


Fig.33

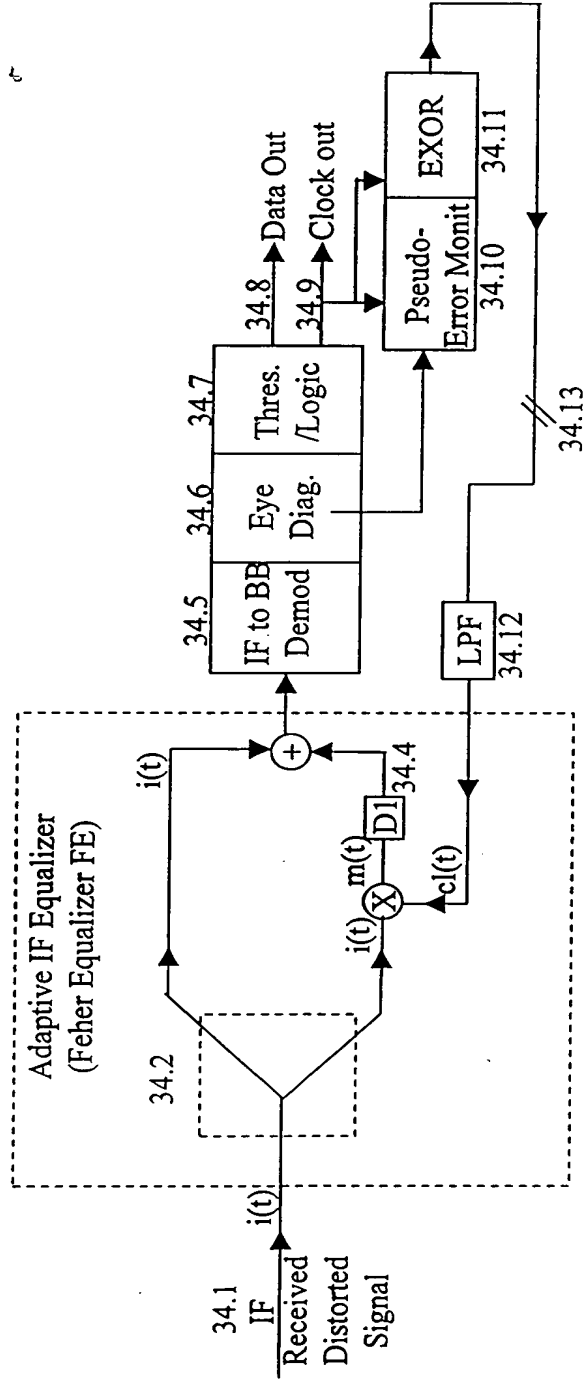


Fig.34

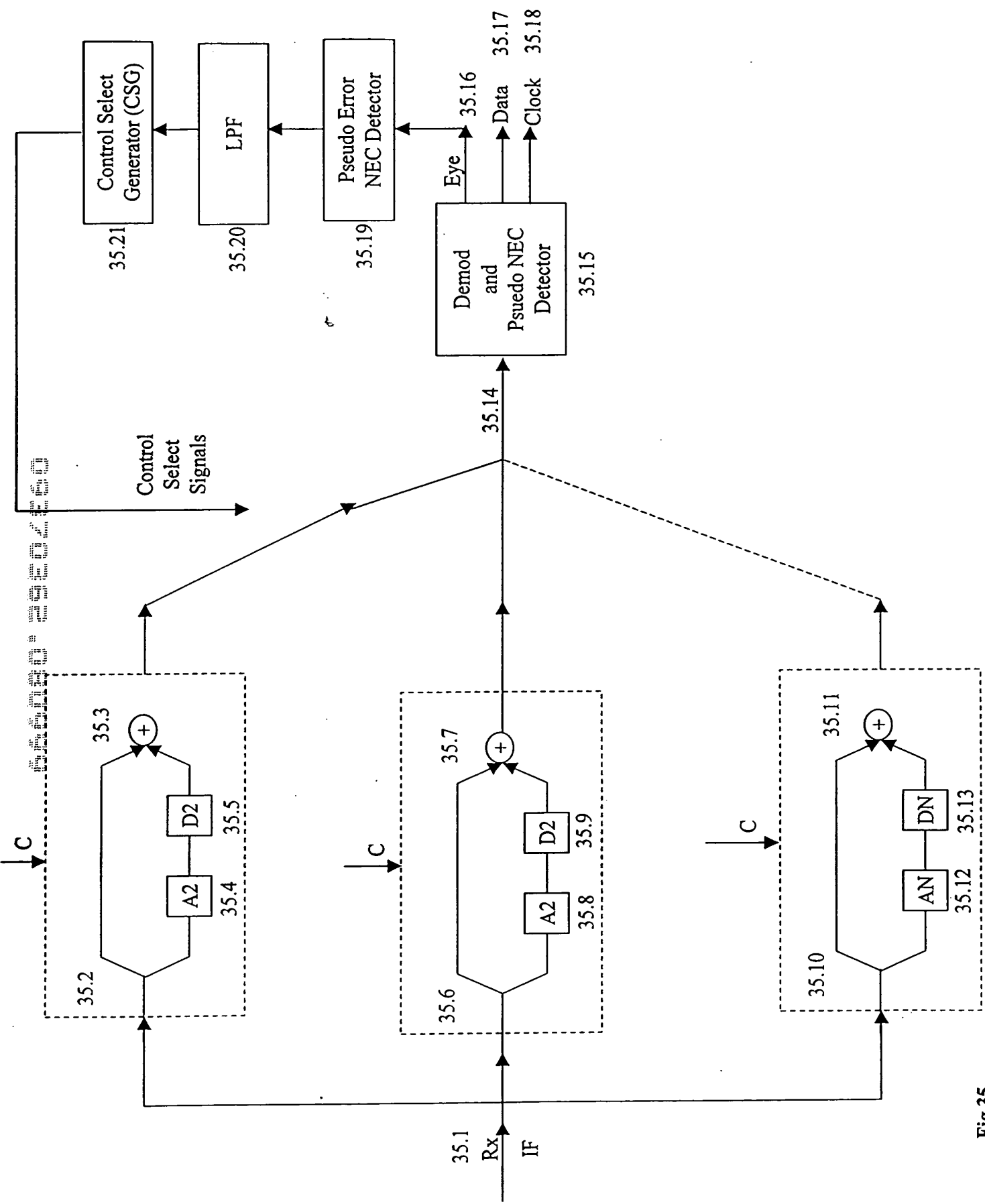


Fig.35

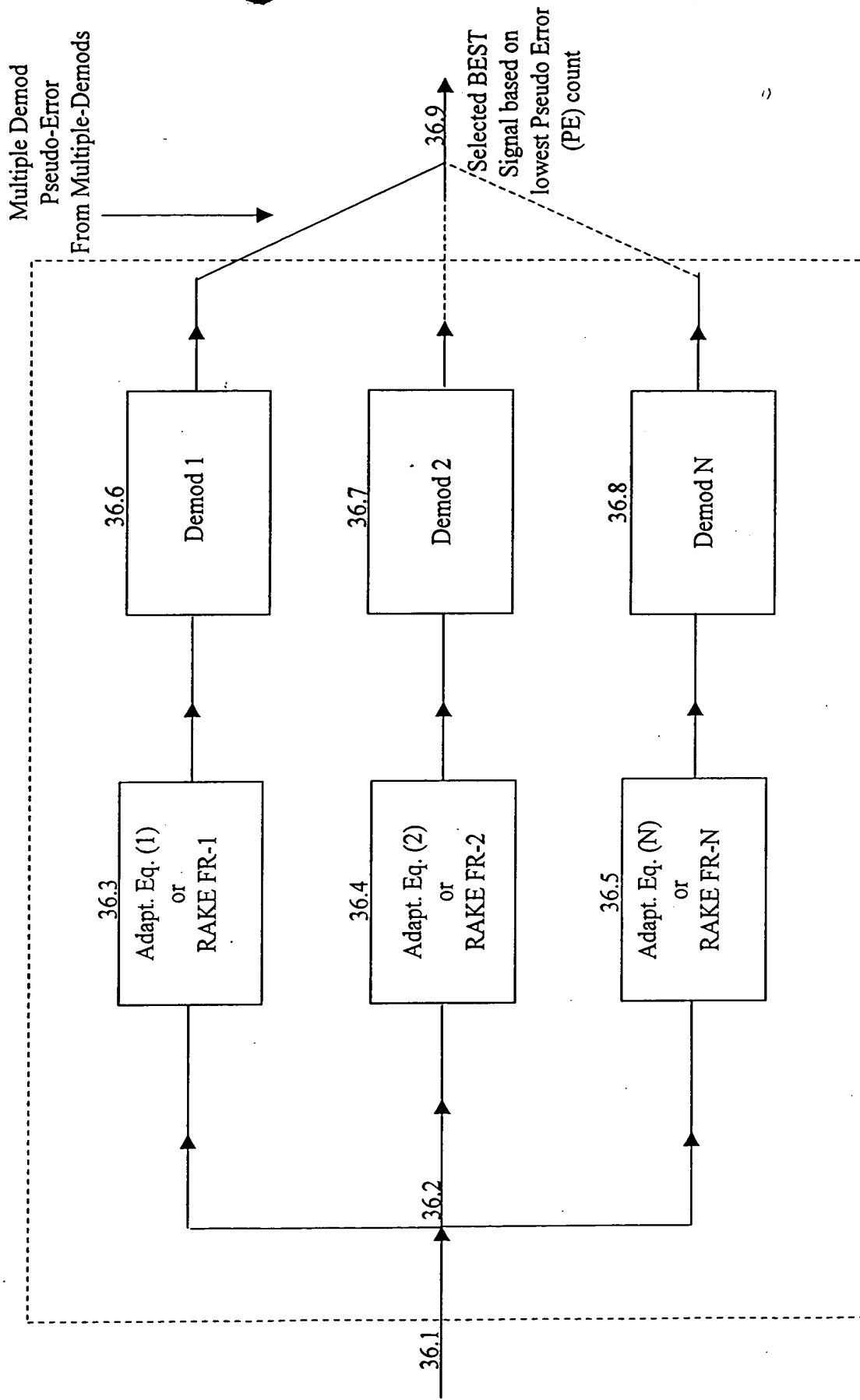


Fig.36

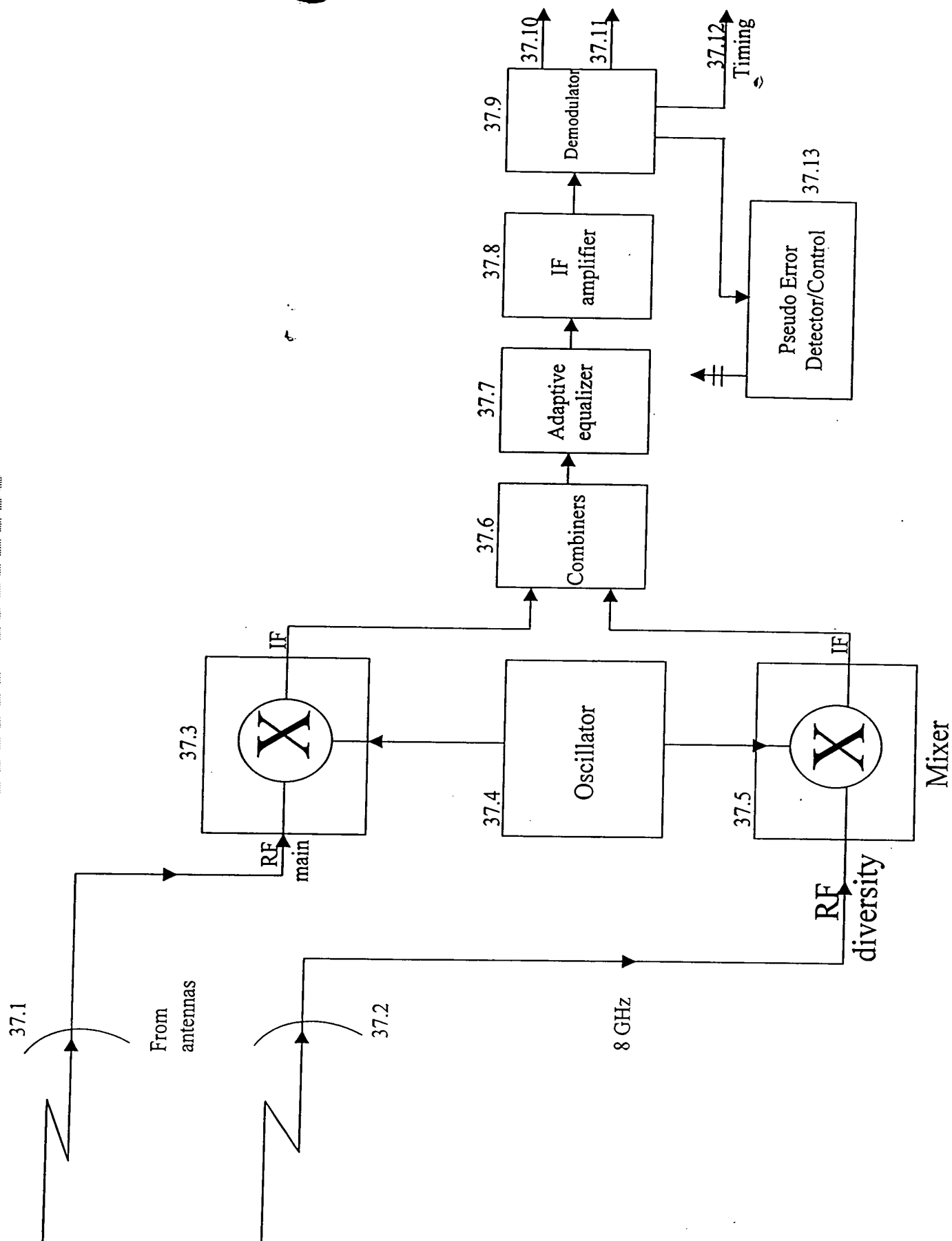


Fig.37